

# CORONA-NORCO UNIFIED SCHOOL DISTRICT



## *High School Course Catalog*

## **Agriculture Education Department**

### **ADV FLORAL DESIGN & COMP 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4052

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**Prerequisite:** Floral Design

This course is based on what the industry expects from a typical designer in a typical flower shop. Major emphasis will be placed on design techniques introduced in the prerequisite course. Proper care and handling of different species of flowers, foliage and materials will be studied in much more depth. In addition, emphasis will be placed on creating seasonal displays for the Norco High Agriculture Department Cougar Boutique flower shop. A culminating project will be required as part of the class and the student portfolio. Hands-on activities are stressed. Supervised agricultural experiences and FFA participation are recommended.

Course Codes: 915037, 915038

### **Advanced Floral Design & Comp 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4098

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**Prerequisite:** Floriculture Design and Composition 1A-1B or instructor approval

This course is based on what the industry expects from a typical designer in a typical flower shop. Major emphasis will be placed on design techniques introduced in the prerequisite course. Proper care and handling of different species of flowers, foliage and materials will be studied in much more depth. In addition, emphasis will be placed on creating seasonal displays for the Norco High Agriculture Department Cougar Boutique flower shop. A culminating project will be required as part of the class and the student portfolio. Hands-on activities are stressed. Supervised agricultural experiences and FFA participation are recommended.

Course Codes: 919529, 919530

### **AG COMPUTER APPLICATIONS**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4098

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**Prerequisite:** None

This course provides students with the necessary training to use menu-driven and graphic interfaced, integrated computer software that brings together three important applications for microcomputers - word processing, spreadsheets, and database management systems. Additional instruction will occur in the areas of graphics and communications. Hands-on activities are stressed. Supervised agricultural experiences and FFA participation are recommended.

Course Codes: 919522

### **AG CONSTRUCTION & ENGINEER 3A-3B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4032

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**Prerequisite:** Agricultural Mechanics Technology 2A-2B

This course specializes in agriculture construction and engineering. It gives the student a further review of advanced technologies of arc welding. Specific units of instruction include: welding stainless steel, cast iron, cast steel, and aluminum; and specific applications in underwater arc welding, galvanized steel, steel pipe, and arc gauging. Student projects and hands-on learning are stressed, and FFA participation is recommended.

Course Codes: 919505, 919506

**AG FOOD SCI AND TECH 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4075

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**Prerequisite:** None

This is an introductory course in food science and technology. Students will learn about food science, which covers the substances we eat, their makeup including chemistry, physics and microbiology of food and the processes used to alter these substances to make them more suitable and available for consumption for a longer time. The students will learn about how the food industry has emerged by looking at a brief history of food production, food and culture - why we eat what we eat, food laws and safety, and food business. They will also learn about food equipment and safety, food nutrition and health, growing and recognizing good food. They will learn basic meat, poultry and game identification and some basic food preparation techniques. On the completion of this course students should be able to apply at entry-level jobs. As an integral part of this course the student will learn about and participate in the FFA, a premier national youth leadership organization. In addition, they will also cover the requirements of the Supervised Agriculture Experience Project (SAEP).

Course Codes: 919531, 919532

**AG LEADERSHIP 1A-1B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4043

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**Prerequisite:** None

America's agricultural industry is the mainstay of the United States economy. This course will allow the student to diversify his/her study into a very competitive and complex field of agricultural leadership and management. This course will cover: leadership categories and styles; developing leaders; communication skills; reciting; prepared speaking; extemporaneous public speaking; basic parliamentary procedure; group dynamics; and conducting successful meetings. Hands-on activities are stressed. Supervised agricultural experiences and FFA participation are recommended. This course may be repeated for duplicate credit.

Course Codes: 919520, 919521

**AG MACHINE-TRACTOR 4A-4B**

**Grades:** 12      **Duration:** Semester      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4035

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**Prerequisite:** Agricultural Mechanics Technology 2A-2B

This course completes the agriculture mechanics sequence by giving the student basic hands-on experience in tractors. Specific units of instruction include: an introduction to modern tractors; preventative maintenance; and operation, repair and storage of tractors. Student projects and hands-on learning are stressed, and FFA participation is recommended

Course Codes: 919507, 919508

**AG NATURAL SCI 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** G      **CBEDS Code:** 4072

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**Prerequisite:** Algebra

Agricultural Natural Science is a college preparatory course, which includes chemistry, physics, astronomy, soil science, California water, and oceanography components that align with the District and State Science Standards. Laboratory work investigates core concepts in the physical science standards and is designed to reinforce agricultural subject area content. This course is intended to meet all state mandated learning essentials in the area of physical science while integrating environmental science and physical science using agricultural concepts as themes, and the agricultural facility as an environment for students to gain laboratory experiences. Major course components included: Newton's Laws; energy transfers; properties of wave motion and electric and magnetic phenomena; periodic trends; bonding; conservation of mass and energy; nature of matter; properties of solutions; atomic structure; structure, scale and change of the solar system; the Earth's atmosphere; geology; physical and chemical properties of rocks and minerals; plate tectonics; role of the ocean in weather and climate; geochemical cycles; natural resources and natural hazards; and how life earth affects the atmosphere. FFA and Supervised Agricultural Experience Programs are required components of this class.

Course Codes: 914501AG, 914502AG

**AG SKILLS/PROJECTS-COMMUNITY**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4043

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**Prerequisite:** Student must have a supervised agricultural experience program (SOEP) as verified by an agriculture instructor.

This course provides students with the opportunity to strengthen their Supervised Occupational Experience Programs and Supervised Agricultural Experience Programs. Emphasis will be on intensive hands-on learning activities, which are conducted in the local community. Programs will include livestock projects, horticulture projects, floriculture projects, vegetable projects, agricultural mechanics projects, and agricultural work experience projects. FFA participation is required. Additional instruction will occur in the use of computers to manage these projects and award applications. Students will be required to maintain a California FFA record book and submit FFA award applications. Classes will meet two hours per week during zero and/or seventh period. This course may be repeated for duplicate credit.

Course Codes: 919525

**AG SKILLS/PROJECTS-SCHOOL**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4043

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**Prerequisite:** Instructor approval

This course provides students with the opportunity to strengthen their Supervised Occupational Experience Programs and Supervised Agricultural Experience Programs. Emphasis will be on intensive hands-on learning activities in the agriculture department's laboratory. Programs will include cooperative livestock projects, horticulture projects, floriculture projects, vegetable projects, and agricultural mechanics projects. Out-of class supervised agricultural experiences are strongly encouraged and FFA participation is required. Additional instruction will occur in the use of computers to manage these projects and award applications. Students will be required to maintain a California FFA record book and submit FFA award applications. This course may be repeated for duplicate credit.

Course Codes: 919524

## **Agricultural Business Management**

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4040

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**Prerequisite:** Exploring Agricultural Science 1A-1B or Horticulture Science 1A-1B and Agriculture Physical Science 1A-1B

This course is designed to heighten student awareness of farm and ranch business management. Instruction combines theory with application for an integration of agriculture and business principles. Units of instruction include: record keeping; financial analysis; budget analysis; cost analysis; cash flow analysis; marketing; investment analysis; taxes; business organizations; agricultural law and computer applications. Future Farmers of America and Supervised Occupational Experience Project participation are recommended.

Course Codes: 919523

## **Agricultural Mechanics 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4031

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**Prerequisite:** None

This course will give the student basic knowledge of theoretical and hands-on knowledge of the general field of agricultural mechanics. Specific units of instruction include: career options; shop orientation; personal safety in the shop; record management; hand tools; fasteners and hardware; layout tools and procedures; selecting, cutting, and bending metal; fastening metal; and preparing and painting metals and woods. Student projects and hands-on learning are stressed, and FFA participation is recommended.

Course Codes: 919501, 919502

## **AGRICULTURE CAREER DEVELOPMENT**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4043

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**Prerequisite:** None

This course provides students with the opportunity to develop, strengthen, and enhance their leadership and competitive event participation. Emphasis will be on active FFA participation including, career development events, leadership training activities, competitive events, and awards opportunities. Additional instruction will occur in the use of computers to manage these activities and events and to complete award applications. Students will be required to maintain a California FFA record book and submit FFA award applications. Classes will meet two hours per week during zero and/or seventh period. This course may be repeated for duplicate credit.

Course Codes: 919526

## **Agricultural Mechanics Technology 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4032

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**Prerequisite:** Agricultural Mechanics 1A-1B

This course explores the art and skill of arc welding. Specific units of instruction include: fundamentals; safety; installation and maintenance; variables in metal fabrication; consumables and machinery; and welding costs. Student projects and hands-on learning are stressed, and FFA participation is recommended.

Course Codes: 919503, 919504

**ART & HIST OF FLORAL DESIGN 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 4052

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**Prerequisite:** None

This course gives the student a practical look at the floriculture industry in California. The major emphasis will be on culture, care and processing of floral crops, as well as floral design principles and corsage construction. The course is designed to lay the foundation for an entry level position in the floriculture industry. Specific units of instruction include an introduction to floriculture, culture of floral crops, processing of floral crops, identification of floral crops, and tools, equipment and supplies. Basic fundamentals and principles are emphasized. This is a project oriented laboratory class that encourages the student to explore the medium and their own creative potential.

Participation in FFA is recommended.

Course Codes: 915035, 915036

**EQUINE SCIENCE 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** G      **CBEDS Code:** 4098

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**Prerequisite:** None

Equine Science is a year long course designed to teach students about the equine industry including equine evolution, selection, nutrition and feeding, breeding, facilities, handling and health management. Emphasis will be placed on sound management practices. Instruction will also include evaluation and selection of horses based on breed and performance criteria. Topics include basic anatomy and its relation to function, breed type, and characteristics. Emphasis will be given to breed standards and rules of judging performance horses.

Course Codes: 919533, 919534

**LANDSCAPE DESIGN & MAINT 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4053

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**Prerequisite:** Horticulture

This course will give students a more intense look at the art and skill of landscape design and maintenance. Theory and hands-on skills are emphasized for proper career placement. Student projects and FFA participation are recommended. Specific units of instruction include: careers; principles of landscape design; computers in the landscape industry; and selection and use of plant materials.

Course Codes: 919511, 919512

## **Business Education Department**

### **Accounting 1/ Applied Accounting 1A-1**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4600

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**Prerequisite:** Computerized Accounting 1A/1B required for the Small Business Accounting Certificate (Norco College)

This course is an introduction to accounting principles related to small business operations for both merchandising & service oriented enterprises. The emphasis is on the development of skills to record business transactions for cash & accrual methods, in addition to the process of preparing financial statements & completing the accounting cycle. Students will perform tasks related to special journals, subsidiary ledgers, & payroll & banking procedures. Completion of this course & Computerized Accounting 1A/1B, with a 'B' grade or higher, will give students the opportunity to earn the Small Business Accounting Certificate & college credits, through an articulation agreement with Norco College.

Course Codes: 918028, 918029

### **Accounting 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4600

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**Prerequisite:** "C" average or better in math courses. 1B requires a "C" or better in Accounting 1A

Have you thought about majoring in business or accounting in college, becoming a bookkeeper, or simply learning some useful personal-life bookkeeping skills? Then accounting is for you! Students will apply the principles of accounting through simulating the operation of a service business proprietorship and a merchandising partnership as they learn to journalize and post to a ledger. Students will learn to produce financial statements such as balance sheets, and income statements, as well as write checks and reconcile a bank statement. The complete accounting cycle is covered. During the second semester students will continue to study payroll and financial records. The introduction of merchandising, partnerships, corporations, marketing, e-commerce, and basic stock market principles are introduced. Lessons are designed to simulate a merchandising business and a partnership. Students will gain experience preparing financial statements and financial transactions. The use of computer technology and accounting software are an important part of this course.

Course Codes: 918001, 918002

### **Accounting 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4600

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**Prerequisite:** "C" or better in Accounting 1A-1B

If you plan on majoring in accounting, attend a business college or become a bookkeeper upon graduation from high school then you should continue with accounting. This course will cover all types of businesses: individual, proprietorship, partnerships, and corporations. Students will learn about depreciation of assets, taxes, and payroll through simulation exercises that are found in businesses today. Students will also learn real life skills. The use of computer technology and accounting software is an essential part of this course. In the second semester students will continue with advanced accounting principles. The course covers a variety of specialized topics associated with the work of an accountant, including: uncollectible accounts, the handling of plant assets, promissory notes, deferrals and accruals, and accounting control systems. Students will also gain a basic understanding of techniques used in the understanding of financial statements and trends in the financial standing of a business. Students will have the opportunity to demonstrate their knowledge of single proprietorship and partnership accounting concepts using industry standard software. Students will be able to format and generate spreadsheets using the EXCEL program. This course is software technology driven so students are prepared for business career paths.

Course Codes: 918003, 918004

## Advanced Computer Applications/Web PB

**Grades:** 10-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** None

**CBEDS Code:** 4601

**Prerequisite:** "C" or better in Computer Applications

Are you interested in designing your own web page? Do you like using digital cameras? Do you like working with graphics and publishing software? Then this is the course for you! This course will enhance your previous computer application skills, and allow you the opportunity to explore the elements and principles of web page design, and multimedia. As students you will utilize and integrate technology, which includes the Internet, HTML coding, multimedia presentations, spreadsheets, desktop publishing, and graphic editing. During the second semester you will utilize advanced technology skills. Students will be given the necessary skills to create a variety of real world business-based projects, as well as continue to update previously constructed web pages. In today's business world there is a demand for diverse skills in technology using intellect, imagination, and invention. Students will demonstrate their understanding of the elements and principles necessary to develop individual and group projects.

Course Codes: 918013, 918014

## Business Law 1A-1B

**Grades:** 10-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** None

**CBEDS Code:** 4637

**Prerequisite:** None, 1B requires "C" or better in Business Law 1A

So you want to be a lawyer! Well, you don't have to be a lawyer, or a perspective law student in college to take this class. Have you considered your rights and why we have laws? Do you plan to rent an apartment, buy a car or get married some day? Do you like a class where you can discuss topics and voice your opinions? Do you like to work in groups, give presentations and have guest speakers visit to enhance your knowledge of real life events? Then enroll in Business Law! This course uses computer technology and introduces the topics of business and personal law. As students become familiar with these underlying concepts of law they will gain a better understanding of the importance of the law in general. They will become knowledgeable about specific laws that are likely to be relevant to them in every day life. This foundation will include ethics, problems in society, criminal law, civil law, and procedural law. Students will learn about liability issues, our court system and trial procedures. With this background, students are then ready to consider entering into contracts, which provides basic rules that we can all use to define our private rights and duties. During the second semester students will continue to enhance their skills with law related subjects as they gain knowledge with actual case studies. Students will obtain supplementary skills in contracts, warranties, consumer protection, and writing checks! Students will also learn about different types of businesses, such as proprietorships, partnerships, and corporations. Knowing the law is powerful and rewarding!

Course Codes: 918005, 918006



## Career Choices-Business 1A

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2722

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**Prerequisite:** None

Take an interest in your future. Through the use of many resources, including the Internet, students will learn the following: opportunities available at the high school level; curriculum planning, athletics, and activities; to be able to explore the University they plan on attending; and identify the career path that interests them most. Through these lessons students will cover many business standards including but not limited to time-management, study skills, effective communication skills, conflict resolution skills, creating a personal budget, how to use a computer and its applications correctly, and how to give an effective presentation. Students will learn broad-based business skills that will facilitate the combination of academics and technical knowledge. Language arts skills will be used in a co-curricular format to allow students to develop oral and written business communication skills. Students will use critical thinking, decision making and problem solving skills that are needed for the fast paced and high performance needs in the workplace. Students will also learn how to gain employment through the effective use of resumes, applications, letters, interviewing skills, and business etiquette. Upon completing the class students will have completed a personal portfolio that will guide them with their future and assist them in being effective life long learners.

Course Codes: 908019, 908019CR, 908019S, 918019, 918019S

## Computer Applications

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4601

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**Prerequisite:** Introduction to Computers

Are you going into a business field? Computer skills can improve your chances! Whether you are going to college or entering the work force, you will need a thorough command of computer technology skills. With this course you will enhance your computer skills by continuing to learn the most important applications for microcomputers including word processing, spreadsheets, database management systems, presentation graphics and desktop publishing. Enroll in this course and be a skilled applications software user when you start college or launch your career.

Course Codes: 918012, 918012S

## Computerized Accounting

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:**

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**Prerequisite:** Accounting1/Applied Accounting 1A/1B required for the Small Business Accounting Certificate (Norco College)

This course is an introduction to computerized accounting, integrating the principles of accounting to an automated computerized system in use by many companies, & accounting professionals. The course will introduce students to QuickBooks accounting software & will focus on competency with the software, & the accounting principles on which it is based. Students will perform tasks, such as using accounting software to calculate accounting formulas, analyze & solve problems, & apply accounting principles used in manual accounting systems to computerized accounting systems. Students will have the opportunity to earn QuickBooks certification by successfully completing the certification exam at the end of the course. Completion of this course & Accounting 1/Applied Accounting 1A/1B, with a 'B' grade or higher, will give students the opportunity to earn the Small Business Accounting Certificate, & college credits, through an articulation agreement with Norco College.

Course Codes: 918035, 918036

### **Internship 1A-1B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4901

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**Prerequisite:** None

Instructor approval required. This course will provide a basis for career preparation for 11th and 12th grade students by enabling them to acquire a firsthand knowledge of business. Students are given an opportunity to intern at a business site in the community or on campus to learn the various skills that will make them employable as long as they have a recommended cumulative GPA of 2.0 or higher and do not have an excess of absences/tardies. A maximum of 10 units may be earned over a 1 year period (5 units variable credit per semester). The students will be required to attend class once per week for 1 hour. An outcome of this course is that students will seek (1) a letter of recommendation; (2) a job referral; and/or (3) an internship at the firm. While interning, students may gain valuable work experience and will be able to make the connection between career/business and education while gaining work skills that will make them more employable. Students will also be encouraged to explore career pathway possibilities.

The Internship Program Curriculum will be guided by the state standards for Vocational Education as well as by the Expected School-Wide Learning Results developed by the Corona-Norco Unified School District Staff.

Students may not be concurrently enrolled in Work Experience and the Internship class.

Course Codes: 918020, 918021

### **Internship 2A-2B**

**Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4901

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**Prerequisite:** None

Instructor approval required. This course will provide a basis for career preparation for 12th grade students by enabling them to acquire a firsthand knowledge of business. Students are given an opportunity to intern at a business site in the community or on campus to learn the various skills that will make them employable as long as they have a recommended cumulative GPA of 2.0 or higher and do not have an excess of absences/tardies. A maximum of 10 units may be earned over a 1 year period (5 units variable credit per semester). The students will be required to attend class once per week for 1 hour. An outcome of this course is that students will seek (1) a letter of recommendation; (2) a job referral; and/or (3) an internship at the firm. While interning, students may gain valuable work experience and will be able to make the connection between career/business and education while gaining work skills that will make them more employable. Students will also be encouraged to explore career pathway possibilities.

The Internship Program Curriculum will be guided by the state standards for Vocational Education as well as by the Expected School-Wide Learning Results developed by the Corona-Norco Unified School District Staff.

Students may not be concurrently enrolled in Work Experience and the Internship class.

Course Codes: 918022, 918023

### **Introduction to Computers**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2450

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**Prerequisite:** None

Are you going to college or entering the workforce? Can you type at least 25 words per minute? Do you know how to format reports, set up spreadsheets, create databases, and prepare presentations? This introductory course will teach you all that and more, including the Internet, World Wide Web, desktop publishing, software piracy and hardware components so you are knowledgeable when you shop for a computer! Explore the trends and new innovations in the computer technology industry. Utilize the computer and gain the technology skills to meet your educational needs. Prepare yourself for the future through a working knowledge of the personal computer.

Course Codes: 918011, 918011S

## Keyboarding

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4615

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**Prerequisite:** None

Touch keyboarding will save you time and money with your educational and career goals. This course will teach touch keyboarding using Microsoft Word and associated learning software. Today's society requires knowledge of the personal computer, regardless of your career path. Therefore, the goal of this course is to provide you with basic terminology and touch type to develop a speed of 25 words per minute or more. This course will assist students to learn the proper ergonomic procedures, how to format reports, enumerate lists, produce formal e-mails, set up tables, complete outlines and business letters. Students will also review and improve language skills.

Course Codes: 918010, 918010S

## Money Mgm 1A-1B

**Grades:** 10-12      **Duration:** Year      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4629

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**Prerequisite:** None

Do you want to learn how to effectively manage your business and personal finances? This course is designed to make students aware of the financial challenges confronting them in daily living. Included will be such topics as how to make intelligent decisions in spending and saving; how to maintain good financial records; how to avoid financial disasters that result from the unwise use of credit and credit cards; information about banking services, insurance choices, and investment choices; and how to prepare income tax forms.

Course Codes: 918009, 918009S

## Professional Office Procedures 1A-1B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4637

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**Prerequisite:** Technology Applications

Whether you want to train for a career or simply learn new skills to stay competitive in today's job market office procedure skills can help. If you have ever wondered what it is like to work in a business office or thought about office management and organizational opportunities then you should enroll in this course. Students will obtain developmental skills in telephone techniques, business etiquette, filing and retrieving documents; managing all aspects of correspondence and petty cash control. Students will also learn the importance of teamwork and how to complete electronic functions including calculations. Students will also gain technology application skills with word processing, spreadsheets, presentations and desktop publishing software.

Course Codes: 918007, 918008

### Technology Applications 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4601

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**Prerequisite:** None

This course has a primary goal of focusing on real-world course material that will enable students to prepare for becoming a Computing Technology Industry Association A+ (COMPTIA A+) Certified Technician and Microsoft Certified Applications Specialist (MCAS). This coursework allows students to understand the parts and applications of a basic computer. Students will work on PC hardware, configure general PC operating system software, understand cabling networks, and develop end user office support. Students will to perform tasks, such as computer hardware installation, configuration, diagnosing, preventive maintenance and basic networking. Plus, this course will enable students to learn and use Microsoft Office productivity tools to produce professional documents, create spreadsheets, build effective presentations, create and manage databases, and manage time and information. This course will not only prepare the students for the MCAS certification tests (Word/Excel/PowerPoint/Access/Outlook), but also prepare them for the COMPTIA A+ certification exams.

Course Codes: 918015, 918016

### Technology Applications 2A-2B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4601

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**Prerequisite:** Technology Applications 1A-1B

The course has a primary goal of focusing on real-world course material that will enable students to prepare for becoming a Computing Technology Industry Association A+ (COMPTIA A+) Certified Technician and Microsoft Office Specialist (MOS) and Microsoft Office Master (Excel and Access). This coursework allows students to understand the parts and applications of a basic computer. Students will work on PC hardware, configure general PC operating system software, understand cabling networks, and develop end user office support. Students will perform tasks, such as computer hardware installation, configuration, diagnosing, preventive maintenance and basic networking. Plus, this course will enable students to learn and use Microsoft Office productivity tools to produce professional documents, create spreadsheets, build effective presentations, create and manage databases, and manage time and information. This course will not only prepare the students for the MOS certification tests (Excel/Access), but also prepare them for the COMPTIA A+ certification exams. Students taking this course also have the freedom to choose additional professional certification tests including but not limited to Microsoft Certified Information Technology Professional (Windows 7, Windows Server 2008, SQL Server, Exchange Server), and Cisco Certified Network Administrator (CCNA).

Course Codes: 918024, 918025

### Video Game Design 1A-1B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5752

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**Prerequisite:** Algebra II with a "C" or better or Teacher recommendation

This course is designed to introduce students topics in game level design, game modification (mods) and game testing. In addition, game design techniques and skills that are commonly used by professionals in the game development industry will be covered. With academic programs like UCLA, USC and Cornell offering game design majors, this course is intended to give students a thorough understanding of what they could expect in an equivalent college-level course. With the use of the "Aurora" toolset, students will create tiles, levels, actions and reactions in a RPG setting. Areas of emphasis include sculpting tools, action scripting (programming) using C++, events, Boolean logic and testing. The course will also address the story aspect of game design, as students will write their own dialogue and create viable story arcs that reflect sound creative-writing skills.

Course Codes: 918017, 918018

## Video Game Design 2A-2B

**Grades:** 10-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** None

**CBEDS Code:** 5752

**Prerequisite:** Video Game Design 1A-1B

This year@Parm1 course begins with a unit on simulation and game development. It then continues with students learning intermediate knowledge, skills, and abilities necessary to create games using the Unity 4.0 (<http://www.unity3d.com>) game development engine, and learn introductory audio engineering using ProTools 11.0. After a brief review of Video Game Design 1A/1B, students will study the field of simulation and computer games used in various industries. Topics will include licensing, marketing, business development, game design, storytelling, and the software development life cycle. Then, students will learn in depth knowledge of scripting using the C-Sharp (C#) programming language. Programming objectives of the course include but are not limited to objects, properties of objects, programming structure, decision and data structures, iteration, looping, recursion, arrays, simple text file input, and more complex functions. All projects in C# will be completed using the Unity 4.0 gaming engine. As a final project, students will complete and publish their own group project, creating their own 2D or 3D game. After this, students will complete an introductory unit using ProTools 11.0. Topics include but are not limited to exploring the interface, importing audio, recording audio, editing audio, arranging a session, working with and editing MIDI, Scoring, Automation, Mixing and Mastering, working the video, and archiving. During the course of the year students will test and earn their Microsoft Technology Associate - Gaming Development Fundamentals Certificate. Finally, students will consistently be updating their ePortfolios (Video Game Design 1A/1B) with their body of work completed throughout the semester. This course is recommended for students who would like to pursue an advanced degree in video game design, or work in the video gaming industry.

Course Codes: 918031, 918032

## Video Game Design 3A

**Grades:** 09-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** None

**CBEDS Code:** 5752

**Prerequisite:** Video Game Design 2A/2B

This course teaches students advanced knowledge, skills, and abilities necessary to create a complete video game from start to finish. The primary focuses of this course are advanced topics in Autodesk Maya 3D Animation Software, the Unity 3D Development Engine, and the JavaScript Programming Language. Major topics for Maya 3D include the following: animation, modeling, simulation, rendering, matchmoving, texturing, and compositing video game prefab game assets from scratch for use in a student developed video game in Unity. Unity 3D objectives include a more advanced look into mobile gaming, game design, multiplatform game design (Xbox, iOS, Android, PlayStation, PC), scripting, world and will culminate in a student developed video game project. Students will also learn the JavaScript programming language for using the Unity public API and developing their own scripts for use inside the Unity game development ecosystem. By the end of the year, students will have an online e-portfolio of sample work, including all prefabs, scripting, and a multiplatform video game. This course is recommended for students who would like to pursue a career in video game design, or and advanced degree in video game design or computer science.

Course Codes: 918033, 918034

## CTE/ROP Department

### **Auto Collision Repair and Refinishing**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5654

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**Prerequisite:** None

This course provides detail preparation in auto collision repair. The history of auto collision and refinishing, fundamental skills, and custom refinishing techniques are covered. Practical application will be performed in a work-like environment. Hands on experience using equipment found in the industry is included.

Notes: Based on hours per week - Maximum 10 units

Course Codes: 919392OCV, 919392OCX, 919392OCY

### **Automotive Technology I**

**Grades:** 10-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5655

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**Prerequisite:** None

This course is designed to prepare the student for entry level employment in the automobile service industry in areas of basic shop safety, basic engine repair and tune-up, lubrication, brakes, ignition systems, fuel systems and suspension systems. Course includes classroom and lab exercises. Students may have an opportunity to enhance the classroom training with on-the-job opportunities in a community work site. This course is a prerequisite for the Automotive II course.

Notes: Based on hours per week - Maximum 10 units

Course Codes: 919393OCV, 919393OCX, 919393OCY

### **Automotive Technology II**

**Grades:** 10-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5655

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**Prerequisite:** Automotive Technology I

This course is a continuation of Automotive Technology I and is designed to prepare the student for entry-level positions in the auto service industry. Instruction will include diagnostics, auto electronics and ignition systems, fuel systems, emissions controls, and the use of computerized engine and emission diagnostic test equipment. Hands-on training will include troubleshooting, maintenance, and basic repair.

Notes: Based on hours per week - Maximum 10 units

Course Codes: 919394OCV, 919394OCX, 919394OCY

### **Careers in Science**

**Grades:** 11-12      **Duration:** Year      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4071

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**Prerequisite:** None

This course is an on-the-job science class where students can apply science skills and gain experience working in the science field of medicine, veterinary, computer, environmental and energy science.

Course Codes: 919330OCV, 919330OCX, 919330OCY, 919330V, 919330Y

### Computer Repair

**Grades:** 10-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4601

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**Prerequisite:** Keyboarding

This course trains students for entry-level jobs in the computer repair field. Course includes techniques for improving and upgrading the computer's hardware and software as well as troubleshooting for service and repair. Students may have an opportunity to fulfill training requirements for taking the A+ Certification exam.

Notes: Based on hours per week - Maximum 10 units

Course Codes: 919312OCV, 919312OCX, 919312OCY, 919321OCV, 919321OCX, 919321OCY

### Construction Technology

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5950

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**Prerequisite:** None

This course introduces the students to the construction industry. A major part of the training time will be spent in practical application of the theory by doing actual construction jobs. Framing, room layout, drywall, door and window installation, plumbing, electrical, and blueprint reading are some of the activities. Program may include building a home in a local residential area.

Notes: Based on hours per week - Maximum 10 units per semester

Course Codes: 919399OCV, 919399OCX, 919399OCY

### Construction Technology 1A-1B

**Grades:** 10-12      **Duration:** Year      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5950

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**Prerequisite:** None

This course introduces the students to the construction industry. A major part of the training time will be spent in practical application of the theory by doing actual construction jobs. Framing, room layout, drywall, door and window installation, plumbing, electrical, and blueprint reading are some of the activities. Program may include building a home in a local residential area.

Notes: Based on hours per week - Maximum 10 units per semester

Course Codes: 919398OCV, 919398OCX, 919398OCY

### Cosmetology

**Grades:** 11-12      **Duration:** Year      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5812

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**Prerequisite:** Basic reading and math skills

This 1600 hour course prepares students for the California State Board examination and for employment in a variety of beauty-oriented businesses.

Training includes hairdressing, haircutting, haircoloring, permanent waving, skin care, and manicuring. This is an intensive program with strict requirements for serious students. Attendance is mandatory on all scheduled days. A deposit may be required on materials and equipment; student may be required to purchase a uniform. Student must be 18 years of age to take the State Board of Cosmetology exam.

Notes: Based on hours per week - Maximum 15 units per semester

Course Codes: 919412OCV, 919412OCX, 919412OCY

## CTE CIS MICROSOFT TOOLS II

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4615

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**Prerequisite:** Recommended: Completion of Microsoft Tools 1, or instructor approval.

in Microsoft Word and Excel. In this course, students are offered hands-on experience in computer operations, file management, data and text entry and editing, and spreadsheets. Students will be prepared to work in an office setting or in other industries where technology skills are required. This course is the second in a series of technology courses designed to prepare students for employment in a multitude of industries requiring technological skills.

Course Codes: 919323V

## CTE Interactive Media A-B

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5730

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**Prerequisite:** None

This course addresses the interactive media design process. Students will create graphics, animation, and video in digital products designed to communicate a product, service or concept. Included concepts are typography, graphics, animation, video, and sound, as related to interactive media design. Projects are designed for digital media output including CD, DVD, and web content.

Course Codes: 919303OCV, 919303OCX, 919303OCY, 919303V, 919303X, 919303Y, 919304OCV, 919304OCX, 919304OCY, 919304V, 919304X, 919304Y

## CTE Medical Terminology

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4273

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**Prerequisite:** None

This course presents a study of basic medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content.

Course Codes: 919341OCV, 919341OCX, 919341OCY

## CTE Sports and Ent Mrktg

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5734

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**Prerequisite:** None

This instructional program prepares individuals to master marketing foundations and apply principles to the unique characteristics of the Sports & Entertainment marketing field. The curriculum will cover an introduction to both beginning and advanced level marketing concepts and is designed to prepare students for future careers or a college-level program in Sports & Entertainment Marketing. Topics will include sports and entertainment, career and college exploration, college and amateur sports, professional sports, recreation, the entertainment industry, public relations, advertising and promotion and public relations.

Course Codes: 919383OCV, 919383OCX, 919383OCY



## CTE TV/VIDEO DIGITAL MEDIA PROD

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5745

**Prerequisite:** None

This course is designed to allow students the opportunity to learn and explore the industry of television production and video camera usage. The program focuses on basis knowledge and competencies of video productions. The program will have various lab activities and culminating activities that will link their experiences to a real life experience.

Notes: This course may be taken for 5 or 10 credits.

Course Codes: 919318OCV, 919318OCX, 919318OCY, 919318V, 919318X, 919318Y, 919319OCV, 919319OCX, 919319OCY, 919319V, 919319X, 919319Y

## Culinary Academy

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4421

**Prerequisite:** Concurrent enrollment at Riverside Community College is required

This culinary course is 1600 hours in length and consists of four modules each lasting three months; a new class begins every three months. Students progress from the basics of safety and sanitation to the higher skilled culinary competencies such as baking and pastry, ice carving, garde-manger, butchery and principles of restaurant management.

Notes: Based on hours per week - Maximum 15 units per semester

Course Codes: 919374OCV, 919374OCX, 919374OCY

## Emergency Medical Technician

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4232

**Prerequisite:** 10 units of math and 10 units of life science. See additional notes for complete description.

This course provides the student with entry-level skills in emergency medical care occupations. The course covers basic anatomy and physiology, observations and assessment of the injured or ill patient and treatment of life-threatening emergencies. Students will be trained to respond to emergency calls, evaluate nature of the emergency, and take appropriate action. At least 180 hours are needed for state certification. Once certified, students typically work as ambulance attendants, emergency room attendants and in assorted areas of pre-hospital care. Student must be 18 years of age to take the EMT certification exam.

Notes: 17 years of age. Must have parent consent form on file. Hepatitis B vaccination series and TB clearance are required. Enrollees must pass an assessment exam. Based on hours per week - Maximum 10 units

Course Codes: 919350OCV, 919350OCX, 919350OCY

## First Responder A-B

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4258

**Prerequisite:** None

This class will teach students to provide immediate care to an ill or injured person and train them to assist emergency medical services (EMS) providers. Instructional content area skills include the history of health care, EMS overview, CPR and first aid skills, patient assessment, legal and ethical issues, and triage and emergency responsibilities.

Course Codes: 919351OCV, 919351OCX, 919351OCY, 919351V, 919351X, 919351Y, 919352OCV, 919352OCX, 919352OCY, 919352V, 919352X, 919352Y

## Forensic Science

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5840

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**Prerequisite:** None

The forensic science program is designed to provide students with entry-level skills, as well as knowledge to build on for future employment in law enforcement. This program provides a challenging environment in which students are introduced to crime scene photographing, evidence collection, fingerprinting techniques, and patterns identification.

Course Codes: 919358OCV, 919358OCX, 919358OCY, 919358V, 919358X, 919358Y, 919359OCV, 919359OCX, 919359OCY, 919359V, 919359X, 919359Y

## Hospital Occupations

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4298

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**Prerequisite:** See Notes for full description

This course is designed to prepare students for entry-level employment in the hospital and/or community health setting. Instruction includes medical/ surgical asepsis, anatomy and physiology, vital signs, first aid, CPR, and safety. Emphasis is on skills required of a health care worker in an acute care hospital setting and on career opportunities in the medical field. Worksite training opportunities are in clinical areas of medical, surgical, pediatrics, orthopedics, obstetrics, gynecology, and intensive care units.

Notes: 17 years of age and 10 units of math and 10 units of life science. Must have parent consent form on file. Hepatitis B vaccination series is recommended and TB clearance is required. (May be completed after enrolling)

Credits are based on hours per week - Maximum 10 units

Course Codes: 919336OCV, 919336OCX, 919336OCY

## Masonry Occupations

**Grades:** 10-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5505

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**Prerequisite:** Good math skills and must be in good physical condition with the ability to lift loads up to 50 pounds  
Good math skills and must be in good physical condition. See notes

This course is designed to provide classroom and hands-on experience in beginning skills for masonry occupations and related basic skills for construction trades. Instruction will be given in trade history, tools and equipment, safety, math, mortar application, materials, brick and CMU laying techniques, wall construction, cutting, moisture control, wall ties and anchors, reinforcing, grout, pointing, caulking and cleaning joints, corners, and corner poles, flashing and lintels, blueprint reading insulation and all-weather masonry, windows and door openings, piers, columns, pilasters, panel and prisms, arches, decorative pattern bonds, stonework, glass block, refractory masonry, structural glazed tile, masonry repair, brick paving and welding.

Notes: Have the ability to lift 50 pounds. Based on hours per week - Maximum 10 units

Course Codes: 919396OCV, 919396OCX, 919396OCY

## Pharmacy Technician

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4255

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**Prerequisite:** 10 units of math and 10 units of life science 10 units of math and 10 units of life science

This course is designed to provide students with the skills necessary for reading and transcribing doctor's orders, preparing units dose medications, performing pharmaceutical, calculations, compounding of both sterile and non-sterile preparations and maintaining inventory control including routine ordering, stocking, and rotation of drugs. The students will also be able to identify commonly prescribed drugs, their trade and generic names, drug classifications, and read SIG codes. Students will be able to describe laws and ethics related to pharmaceutical operations, complete routine insurance billing procedures, practice appropriate communications with customers and physicians, demonstrate job search and retention skills, and describe career opportunities within the pharmaceutical industry. The State Board of Pharmacy requires theory of 240 hours. In addition to theory, 120 hours of clinical internship are required.

Course Codes: 919337OCV, 919337OCX, 919337OCY

## Security Training

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5849

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**Prerequisite:** None

This course is designed to give qualified students interested in a career as a Security or Loss Prevention Officer the opportunity to learn about various aspects that are related to this occupational field.

Notes: Based on hours per week - Maximum 10 units

Course Codes: 919357OCV, 919357OCX, 919357OCY

## Sign Language Skills

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2230

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**Prerequisite:** None

This course introduces the students to basic principles of ASL, (American Sign Language) including vocabulary, sentence structure and fingerspelling. Students will demonstrate their understanding of ASL (American Sign Language) sentences. Students will show an awareness of and respect for Deaf culture.

Course Codes: 919414OCV, 919414OCX, 919414OCY

## Welding Occupations

**Grades:** 10-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5619

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**Prerequisite:** Industrial Metal 1A-1B helpful

This course is designed to prepare students for entry-level jobs in the welding trades and industry. Instruction includes use of materials, safety, equipment, tools, and measuring devices. This is a basic course involving welding tasks using arc, Metal Inert Gas (M.I.G.), Tungsten Inert Gas (T.I.G.) and gas welding equipment, leading to entry-level jobs in various welding areas.

Notes: Based on hours per week - Maximum 10 units

Course Codes: 919397OCV, 919397OCX, 919397OCY

## **Health Education Department**

### **Health**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2535

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**Prerequisite:** None

This course will emphasize principles of health promotion and disease prevention. The course content will include: personal health; consumer and community health; injury prevention and safety; individual growth and development; tobacco, alcohol, and other drugs; nutrition; communicable and chronic diseases; family living, and environmental health. This course will also include units on study skills, time management, note-taking, outlining, and test-taking skills necessary for a successful high school experience.

Course Codes: 907501, 907501SS1, 907501SS2, 917501, 917501S, 957501, 957501S, 967501, 967501II, 967501S, 987501, 987501S

**AG ECONOMICS**

**Grades:** 12      **Duration:** Year      **Credits:** 5 Credits      **UC/CSU:** G      **CBEDS Code:** 4041

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**Prerequisite:** None

This course is designed to heighten student awareness of the economy and how it is affected by agriculture. Instruction combines theory with application for an integration of economic theory and agriculture principles. Units of instruction include: the stock market; supply and demand; production factors; floors and ceilings; macroeconomics; monetary policy; federal reserve market; capital resources; costs and returns; foreign trade and economic developments in developing countries. Future Farmers of America and Supervised Occupational Experience Project participation are recommended.

Course Codes: 912007AG

**AG GOVERNMENT**

**Grades:** 12      **Duration:** Year      **Credits:** 5 Credits      **UC/CSU:** A      **CBEDS Code:** 2703

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**Prerequisite:** None

America's agricultural industry is the mainstay of the United States. An understanding of the American political process, its influence on agriculture and the individual will be the main focus. Students will study the constitution, governments, federalism and the U.S. Farm Bill and policies. To gain a working knowledge of which agencies of government affect particular problems in the lives of citizens, students will be prepared to vote, to reflect on their responsibilities, and to participate in community activities. Hands-on activities are stressed. Supervised agricultural experiences and FFA participation are required.

Course Codes: 912008AG

**AP European History 1A-1B**

**Grades:** 10      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** A      **CBEDS Code:** 2774

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**Prerequisite:** Instructor approval

This course will provide a basic understanding of events, issues, and individuals central to European history from 1450 to the present. The ability to analyze historical evidence (primary and secondary resources) and express historical understanding in writing will be emphasized. Students will be encouraged to take the Advanced Placement Examination in European History.

Course Codes: 932003, 932004

**AP GOV & POL: US**

**Grades:** 12      **Duration:** Year      **Credits:** 5 Credits      **UC/CSU:** A      **CBEDS Code:** 2773

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**Prerequisite:** None

This course is designed to conform to the standards of the Advanced Placement Program and to the standards of the University of California. This course will help students' critical thinking skills, ability to evaluate data, and ability to analyze and synthesize evidence. In addition to discussing the fundamental governmental structures and institutions within the United States, students in this course will analyze the interaction among the branches of government, federal bureaucracy, special interest groups, political behavior, concepts of culture and their influence on government, socio-economic status and political alienation, and analyze the activities of political decision makers. Students are encouraged to take the spring Advanced Placement Examination.

Course Codes: 932008

**AP Human Geography A-B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** A      **CBEDS Code:** 2777

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**Prerequisite:** None

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

Course Codes: 939113, 939114

**AP PSYCHOLOGY A-B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** G      **CBEDS Code:** 2776

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**Prerequisite:** None

This course is designed to provide students with an in-depth study of the major approaches to psychology. This includes the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields with psychology.

Course Codes: 939104, 939105

**AP US HIST 1A-1B**

**Grades:** 11      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** A      **CBEDS Code:** 2775

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**Prerequisite:** None

This course is a one-year course designed to give students a grounding in the subject matter of American history and in major interpretive questions that derive from the study of major themes in United States history. The student will examine United States history problems and topics through specialized writings by historians and through primary source and supplementary readings. Students will be given extensive practice in analyzing historical problems, collecting and sorting information, developing a thesis, and writing essays to communicate conclusions. Students are encouraged to prepare for the Advanced Placement Examination in United States History.

Course Codes: 932005, 932005IB, 932006, 932006IB

**AP WRLD HIST 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** A      **CBEDS Code:** 2778

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**Prerequisite:** None

This course is designed to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their cause and consequences, as well as, comparisons among major societies. It emphasizes relevant factual knowledge used in conjunction with learning interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organizing principle for dealing with change and continuity throughout the course.

Course Codes: 932001, 932001IB, 932002, 932002IB

**CONTEMPORARY WORLD AFFAIRS**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2706

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**Prerequisite:** None

This course is designed to develop an awareness and understanding of current geographic, demographic, cultural, social, economic, political, and diplomatic issues and their influence on the major world powers. Attention will be given to historical antecedents and future implications of contemporary issues.

Course Codes: 919103

**ECONOMICS**

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** G      **CBEDS Code:** 2701

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**Prerequisite:** None

This course is the systematic study of man's efforts to satisfy his wants by securing goods and services from the available scarce resources. The high school economics course is an introduction to the essential concepts, principles, values, and methods of economic analysis and their application to the modern world. Emphasis is also given to consumer problems and preparing the individual student to be a knowledgeable and effective consumer.

Course Codes: 902007, 902007CR, 902007CR1, 902007CR2, 902007SS1, 902007SS2, 912007, 952007, 962007, 962007II, 962007SS1, 982007

**ECONOMICS HNR**

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** G      **CBEDS Code:** 2701

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**Prerequisite:** None

This course is the systematic study of micro and macro economic principles and concepts. Emphasis is placed on analysis of economic problems as they relate to personal and societal decision-making. Interpretation of graphs and mathematical data receive close attention. This course will help students' critical thinking skills, ability to evaluate data, and ability to analyze and synthesize evidence.

Course Codes: 922007

## **GEOGRAPHY**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2724

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**Prerequisite:** None

Course Codes: 909106, 919106

## **GOVERNMENT**

**Grades:** 12      **Duration:** Year      **Credits:** 5 Credits      **UC/CSU:** A      **CBEDS Code:** 2703

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**Prerequisite:** None

This course will prepare students for their lives as citizens. Students will gain an understanding of the American political process focused on how they can enter and influence that process. To gain a working knowledge of which agencies of government affect particular problems in most citizens' lives, students will study the functions of national, state, and local governments and of the legislative, executive, and judicial branches. The course will develop and refine students' understanding of their civil rights and liberties as guaranteed by the Constitution and Bill of Rights but balanced against the government's police power. Students will be prepared to vote, to reflect on their responsibilities, and to participate in community activities.

Course Codes: 902008, 902008CR, 902008CR1, 902008CR2, 902008SS1, 902008SS2, 912008, 952008, 962008, 962008II, 962008SS1, 982008

## **MORALS AND ETHICS**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2714

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**Prerequisite:** None

This course is an introduction to ethics and moral philosophy, the branch of philosophy which concerns conduct and how we ought to live. Students explore the nature of ethics, important challenges to ethics as traditionally construed by philosophers, and several ethical theories prominent in the history of philosophy. Throughout the inquiry, students will have occasion to discuss various contemporary moral problems and see how ethical theories have addressed them.

Course Codes: 919102

## **PSYCHOLOGY A-B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** G      **CBEDS Code:** 2714

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**Prerequisite:** None

This course is designed to meet a variety of student needs in developing an understanding of the complexities of human psychology. This course will focus on the following areas of study: (1) developmental psychology, (2) learning theories, (3) historical perspectives of psychology, (4) personality development, (5) mental health, (6) sensation and perception, (7) self-esteem, (8) suicide prevention, (9) sex role identification and development, (10) interpersonal relations, (11) mechanics of stress and stress management, (12) obsessive-compulsive behavior (13) application of methodologies in psychology, (14) preventing addictions and drug abuse, and (15) current issues in psychology.

Course Codes: 909104, 909104CR, 909104SS1, 909104SS2, 909105, 909105CR, 909105SS1, 909105SS2, 919104, 919105



**US HIST 1A-1B**

**Grades:** 11      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** A      **CBEDS Code:** 2709

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**Prerequisite:** None

This course introduces and elaborates upon fundamental principles and concepts in the history of our country. The course begins with a brief review of United States history from the colonial period to the late nineteenth century. The course then proceeds to emphasize twentieth century American history. Students are encouraged to analyze the historical roots of current events within America. Students are encouraged to critically examine historical issues from multicultural perspectives.

Course Codes: 902005, 902005CR, 902005CR1, 902005CR2, 902005SS1, 902005SS2, 902006, 902006CR, 902006CR1, 902006CR2, 902006SS1, 902006SS2, 912005, 912005AM, 912006, 912006AM, 952005, 952006, 962005, 962005II, 962005SS1, 962006, 962006II, 962006SS1, 982005, 982006

**WH HNR 1A-1B**

**Grades:** 10      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** A      **CBEDS Code:** 2711

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**Prerequisite:** None

This course serves as a history-social science college-preparatory course. Students will be engaged in extensive reading and writing assignments. This course will help students' critical thinking skills, ability to evaluate historical data, and ability to analyze and synthesize historical evidence. Honors World History introduces and elaborates upon fundamental principles and concepts in world history. The course begins with a brief review of world history up to the late nineteenth century. Then the course proceeds to emphasize world history from the scientific revolution to modern times. Students are encouraged to analyze the historical antecedents of current events facing the Global Community today. Students are encouraged to critically examine historical issues from multicultural perspectives.

Course Codes: 922001, 922001RI, 922002, 922002RI

**WORLD GEOG PHYS/CULT PERS 1A -1B HNR**

**Grades:** 9      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** A      **CBEDS Code:** 2724

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**Prerequisite:** None

This course is designed to provide comprehensive knowledge of land forms and how they have influenced political, economic and social development within different geographical regions. The course will further develop map and graph reading, cartography, absolute and relative location skills that will facilitate student understanding of the relationship of human activity as it effects the environment. The course builds on ideas and standards found in the history/social science framework and state standards for the 10th grade world history and 11th grade United States history courses.

Course Codes: 929107, 929107SK, 929108, 929108SK

**WORLD HIST 1A-1B**

**Grades:** 10      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** A      **CBEDS Code:** 2711

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**Prerequisite:** None

This course is to encourage students to develop an understanding of and interest in world history. Critical thinking skills, basic study skills, and participation skills are emphasized so that students will understand the relevance of world history in their everyday lives. This World History course emphasizes the essential world history issues between the late eighteenth century to present.

Course Codes: 902001, 902001CR, 902001CR1, 902001CR2, 902001SS1, 902001SS2, 902002, 902002CR, 902002CR1, 902002CR2, 902002SS1, 902002SS2, 912001, 912001DI, 912001PR, 912002, 912002DI, 912002PR, 952001, 952002, 962001, 962001II, 962001SS1, 962002, 962002II, 962002SS1, 982001, 982002



**3D Animation 1A-1B****Grades:** 09-12      **Duration:** Semester      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5702**Prerequisite:** None

This course is designed to develop both the awareness and appreciation for the art of animation while incorporating technical and computer skills to produce 2 Dimensional and 3 Dimensional designs. The students will incorporate the artistic background of story-boarding, color, texture, and design/animation theory with technical computer skills, including the Internet, multi-media, video incorporation, file management, as well as other hardware and software considerations.

Course Codes: 918523, 918524

**3D Animation 2A-2B****Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5702**Prerequisite:** Visual Arts 1A-1B or Computer-Aided Drafting (CAD) 1A-1B or Computer Science or instructor approval

This course is an introduction to basic 3D Computer Animation, major software components, basic concepts of object-oriented programming as well as 2D and 3D design. The purpose of the course is to develop both the awareness and appreciation for the art of animation while incorporating technical and computer skills to produce 2 Dimensional and 3 Dimensional designs. The students will incorporate the artistic background of storyboarding, color, texture, and design/animation theory with technical computer skills, including the Internet, multi-media, video incorporation, file management, as well as other hardware and software considerations. This course is an introduction to basic 3D Computer Animation, major software components, basic concepts of object-oriented programming as well as 2D and 3D design. The purpose of the course is to develop both the awareness and appreciation for the art of animation while incorporating technical and computer skills to produce 2 Dimensional and 3 Dimensional designs. The students will incorporate the artistic background of storyboarding, color, texture, and design/animation theory with technical computer skills, including the Internet, multi-media, video incorporation, file management, as well as other hardware and software considerations.

Course Codes: 918525, 918526

**Advanced 3D Animation 3A-3B****Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5702**Prerequisite:** 3D Animation 2A-2B or Instructor approval

CAD 3D Animation 3A/3B is designed as an advanced real world application of 3D Animation, its processes, industry standards and tools used in the 3d animation fields. Students will develop their spatial visualization and problem solving skills in a "hands-on" laboratory setting. Students will use animation software to solve real world situations that involve creating 3D computer graphics. Students will utilize progressive 3D computer software to communicate their ideas through the creation of movies, games, presentations and portfolios. Students will understand how to choose which animation tool to use to be most efficient in the workplace. Students will produce movies of the completed projects and provide electronic files in a variety of graphic outputs. Students will produce portfolios of the completed work

Course Codes: 918521, 918522

### **Advanced Electronics 3A-3B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5561

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**Prerequisite:** Electronics/Digital 2A-2B with a grade of "C" or better

This course is designed to cover power supplies, filters, opto-electronics, and amplifiers as they apply to electronic consumer goods. The student will design and build a power supply. The student will also study Op amps and construct a fiber optic communication system. An opportunity will be provided for the student to design and fabricate electronic circuits.

Course Codes: 918605, 918606

### **Advanced Graphic Arts**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5751

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**Prerequisite:** Graphic Arts 1A-1B and instructor approval

This course is open to students working on specialized projects. It is an individualized program with each student working in his/her own area of choice.

Course Codes: 918565

### **Architectural Design 1A-1B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5783

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**Prerequisite:** Architectural Drawing 1A-1B/ Computer-Aided Drafting (CAD) 1A-1B with a passing grade of "C" or better

This is a year course for students who have successfully completed Architectural Drawing 1A (a one-semester manual architectural drawing course) and Computer-Aided Drawing 1A/1B (a one year CAD course) with a grade of "C" or better. The student will be introduced to architectural design principles including line, forms, values of lines, textures, volume, space, and various art forms to develop interior and exterior living areas. The student will use details and design criteria specific to particular styles of architecture to create homes to specific programs. The student will design several homes (using an Architectural CAD software as a tool) using the above principles. The student will use architectural animation software to create presentations and walk-through animations of their structure. This course meets the District Fine Arts graduation requirement and the UC "f" requirement.

Course Codes: 918541, 918542

### **Architectural Design 2A-2B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5783

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**Prerequisite:** Architectural Design 1A-1B

This is a year course for students who have successfully completed Architectural Design 1A-1B. The student will apply skills learned (in Architectural Design 1A-1B) to architectural design problems that incorporate: line, forms, values of lines, textures, volume, space, and various art forms to develop interior and exterior living areas. The student will use details and design criteria specific to particular styles of architecture to create homes to specific programs. The student will design several homes utilizing current industry practices of sketching, rendering and massing using the above principles. The student will use current Building Information Modeling (BIM) software to create historically correct detail drawings of their structure.

Course Codes: 918543, 918544

### Architectural Drawing 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5703

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**Prerequisite:** "C" or better in Industrial Drafting 1A-1B

This course will develop the students understanding of architectural floor plans and foundation designs. Students will draw plans for a wood frame house using principles of the uniform building code and standard architectural practices.

Course Codes: 918533, 918534

### Architectural Drawing 2A-2B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5703

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**Prerequisite:** Architectural Drawing 1B

This course is an advanced program in architectural multi-level design. It includes rendering techniques for floor plans, plot plans, elevations, and perspectives.

Course Codes: 918535, 918536

### Architectural Drawing 3A-3B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5703

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**Prerequisite:** Architectural Drawing 2B

This course is a special problems class utilizing concepts from Architectural Drawing 1A-1B and Architectural Drawing 2A-2B. The students will design, develop, and construct an advanced set of architectural working drawings utilizing manual or computer-aided drafting.

Course Codes: 918537, 918538

### Auto 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5652

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**Prerequisite:** None

This course has been developed to assist students in becoming informed automotive consumers. Students will be exposed to various aspects of vehicle ownership such as purchasing, insuring, and choosing a repair facility. Students will learn to perform basic maintenance and emergency repairs such as changing a tire and checking fluid levels. Students will become familiar with the various systems found in a vehicle and will be able to identify and describe the operation of major components. Safety, proper tool usage, environmental responsibility and career exploration will be emphasized in this course.

Course Codes: 918501, 918502

### Auto 2A-2B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5652

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**Prerequisite:** "C" or better in Auto 1A-1B or instructor approval

This course will prepare students to pass the ASE test in suspension and steering (A4). Students will become familiar with steering system diagnosis and repair, suspension system diagnosis and repair, wheel alignment, and wheel and tire diagnosis and repair. Students completing this course with a "C" or better should be prepared to obtain entry-level employment in steering and suspension system diagnosis and repair. Safety, proper tool usage, environmental responsibility and career exploration will be emphasized in this course.

Course Codes: 918503, 918504

**Auto 3A-3B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5669

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**Prerequisite:** "C" or better in Auto 2A-2B or instructor approval

This course will prepare students to pass the ASE test in Electricity and Electronics (A6). Students will become familiar with general electrical diagnosis and repair, battery diagnosis and repair, starting system diagnosis and repair, charging system diagnosis and repair, lighting system diagnosis and repair, gauge/driver information system diagnosis and repair, horn and wiper system diagnosis and repair, and electrical accessory diagnosis and repair. Students completing this course with a "C" or better should be prepared to obtain entry-level employment in electrical system diagnosis and repair. Safety, proper tool usage, environmental responsibility and career exploration will be emphasized in this course.

Course Codes: 918505, 918506

**Auto 4A-4B**

**Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5669

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**Prerequisite:** Instructor approval

This course emphasizes refinement of diagnostic and repair skills developed in previous automotive courses. In addition, students enrolled in Auto 4A, may (with instructor approval) choose to explore topics such as engine repair (A1), automatic transmission repair (A2), manual drivetrain repair (A3), and HVAC repair (A7). Students enrolled in Auto 4A will also focus on developing leadership and management skills. Students completing this course with a "C" or better should be prepared to obtain entry-level employment in general automotive diagnosis and repair. Safety, proper tool usage, environmental responsibility and career exploration will be emphasized in this course.

Course Codes: 918507, 918508

**Computer-Aided Drafting (CAD) 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5705

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**Prerequisite:** Industrial Drafting 1A-1B or instructor approval

CAD 1A-1B is designed to acquaint students with the concepts and procedures that comprise modern computer systems. Operating systems and the major applications of word processing, databases, spreadsheets, and graphics are taught through practical exercises. Students will explore the new trends in industry and experience multimedia technologies as research and communications tools, including the Internet and the World Wide Web. Students will learn the basic skills of Computer Aided Drafting (CAD) utilizing CAD software. Students will understand how to use hardware and software to design and create engineering and architectural drawings. They will create the geometry of three-dimensional objects and manipulate technical, presentation, and architectural drawings. Students will produce hard copies of the completed drawings and provide electronic files for a variety of graphic outputs.

Course Codes: 918517, 918518

**Computer-Aided Drafting (CAD) 2A-2B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5705

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**Prerequisite:** Computer-Aided Drafting (CAD) 1A-1B

This course is an advanced program in Computer-Aided Drafting utilizing AutoCAD, AutoCAD Designer, Autovision, and Autosurf software. The students will develop three-dimensional solid models and produce working drawings for those models. They will create the geometry of three-dimensional objects and manipulate the drawings using parametric dimensions.

Course Codes: 918519, 918520

## **Design and Manufacturing 2A-2B**

**Grades:**                      **Duration:**                      **Credits:**                      **UC/CSU:** None                      **CBEDS Code:** 5623

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**Prerequisite:** Design and Manufacturing 1A-1B

An Advanced problem solving Design course that will give students a chance to apply techniques learned in the Design and Manufacturing 1A / 1B class. Advanced skills in CNC programming on the Lathe and Mill will challenge students to problem solve and create projects on their own. Students will be assigned projects to be completed for course credit. Examples wood be Principals Awards and Sports Awards.

Course Codes: 918527, 918528

## **Elect/MicroprocTech 4A-4B**

**Grades:** 12                      **Duration:** Year                      **Credits:** 10 Credits                      **UC/CSU:** None                      **CBEDS Code:** 5556

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**Prerequisite:** Advanced Electronics 3A-3B with a grade of "C" or better

This course is designed to build a foundation in microprocessor technology. Microprocessors are found in many different types of electronic systems, from the automobile to the microcomputer. This course will introduce the students to microprocessor architecture (how it works), microprocessor programming and interfacing. The microprocessor programming is in both machine and assembly language, through this language the microprocessor talks to itself and in the language companies prefer their technicians to know. The interfacing section will introduce the students to various control applications to microprocessors.

Course Codes: 918607, 918608

## **Electronics 1A-1B**

**Grades:** 09-12                      **Duration:**                      **Credits:**                      **UC/CSU:** None                      **CBEDS Code:** 5551

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**Prerequisite:** None

This course is designed for the student who has no knowledge of electronics. This is both a "What" is electronics and "How To Do It" program. The student will be introduced to sources of electricity and practical applications of electricity and electronics. The student will learn the concepts and applications of DC Electronics and Semi-Conductors. This is a "hands-on" program in which the student will learn by doing. This hands-on approach also teaches practical applications of Mathematics, English, and Physical Sciences.

Course Codes: 918601, 918602

## **Electronics/Digital 2A-2B**

**Grades:** 10-12                      **Duration:** Year                      **Credits:** 10 Credits                      **UC/CSU:** None                      **CBEDS Code:** 5561

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**Prerequisite:** Electronics 1A-1B with a grade of "C" or better

This course is an in-depth study of digital circuitry. The student will be exposed to the components used in digital circuitry, safety in the use of electricity, and specialized test equipment. The student will execute test measurements on student constructed circuits while investigating the various digital circuits, and troubleshoot digital systems to the individual chip level. An opportunity will be provided for the student to design and fabricate an electronic circuit.

Course Codes: 918603, 918604

### Graphic Arts (Offset) 2A-2B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5751

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**Prerequisite:** "C" or better in Graphic Arts 1A-1B or instructor approval

This is a project oriented course to give the student an in-depth view of the offset lithography printing process. Area to be covered include: history of offset; copy preparation using computer applications; darkroom procedures; theory and operation of offset presses; stripping and platemaking; and bindery operations.

Course Codes: 918563, 918564

### Graphic Arts 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5751

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**Prerequisite:** None

This course offers the student an opportunity to gain an appreciation of the printing industry, its materials, processes, and production tools. The course is designed to give the student the opportunity to explore the printing industry and the possible career choices that are available upon graduation from high school. Specific units of instruction include: history of communication; printing processes; design and composition of printed products; computer introduction of copysetting principles; equipment used in the printing industry and career opportunities. This is a project oriented class that will encourage the student to explore the graphic arts using their own creative potential. This course meets the District Fine Arts graduation requirement.

Course Codes: 918561, 918562

### Graphic Arts Production

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5751

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**Prerequisite:** Graphic Arts 1A-1B, and Graphic Arts (Offset) 2A-2B or instructor approval

This course is open to a limited number of students that show genuine interest in the graphic arts industry. Students gain practical experience by working on production printing. This course may be repeated for duplicate credit.

Course Codes: 918566

### Green Building Design 1A-1B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5571

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**Prerequisite:** Intro to Engineering and Architecture 1A-1B

This is a year course for students who have successfully completed Intro to Engineering and Architecture 1A-1B and Architecture Design 1A-1B. The student will design buildings to the National Green Building Standard, the International Residential Code, and the U.S. Green Building council LEED standards utilizing sustainable building practices. Students will be introduced to industry standard software that will allow them to more efficiently design the buildings and extract critical data utilized in energy efficiency calculations. Students will produce a set of construction documents and perform basic Title 24 Energy Calculations of the buildings(s).

Course Codes: 918548, 918549



**Industrial Drafting 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5701

---

**Prerequisite:** None

This course emphasizes basic drafting principles and techniques including: conceptual sketching; lettering; working drawings; and orthographic projections. Materials and tools of the drafting profession are used on a daily basis to complete required work. Career opportunities are explored in the broad areas of mechanical, architecture, computer-aided drafting, and engineering.

Course Codes: 918511, 918512

**Industrial Drafting 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5701

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**Prerequisite:** Industrial Drafting 1B or instructor approval

This course is an advanced program in exploded view and assembly drawings. Mechanical drafting and computer-aided drafting are used to complete complex design problems.

Course Codes: 918513, 918514

**Industrial Metal 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5635

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**Prerequisite:** None

This course is a basic metalworking course designed to give the student an introduction to sand casting, the use of sheet metal and welding processes in project manufacturing and in industrial applications. Instruction is given in safety, tool and material identification, casting practices, gas welding, braze welding, and arc welding. Each student is expected to complete various welding skill tests, a sheet metal project, and a sand casting project.

Course Codes: 918571, 918572, 978571LS, 978572LS

**Industrial Metal 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5635

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**Prerequisite:** "C" or better in Industrial Metal 1B or instructor approval

This course introduces students to individual product design, development, and manufacturing. Instruction is given in safety, tool, and equipment identification and the process cycle of manufacturing. Each student is expected to complete skills/tasks in sheet metal and foundry.

Course Codes: 918573, 918574, 978573LS, 978574LS

**Industrial Metal 3A-3B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5635

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**Prerequisite:** "C" or better in Industrial Metal 2B or instructor approval

This course provides students with theoretical and practical design concepts of manufacturing. Instruction is given on the processes of manufacturing sheet metal and foundry products. Each student is given design problems and is required to produce examples of their skills.

Course Codes: 918575, 918576

**Industrial Metal 4A-4B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5635

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**Prerequisite:** "C" or better in Industrial Metal 2B, concurrent enrollment in level 3 courses or instructor approval

This course offers the student an opportunity to gain additional experiences in developing metalworking and leadership skills. This course is designed to be taken concurrently with Industrial Metal 3A or 3B and allows the student who is occupationally oriented in metalworking an opportunity to receive credit for two periods of metalworking. Each student is expected to complete a large or highly complicated metal product.

Course Codes: 918577, 918578

**Industrial Wood 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5520

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**Prerequisite:** None

This course emphasizes the application and safe use of hand and machine tools in the construction of student built learning products, the theory and use of fundamental surface preparation and simple wood finishes.

Course Codes: 918581, 918582, 978581LS, 978582LS

**Industrial Wood 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5520

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**Prerequisite:** Industrial Wood 1A and 1B

This course reviews fundamentals of woodworking skills, emphasizes safety and introduces styles of furniture. Students design, plan and construct an industrial woods product utilizing major woodworking machines. Units of instruction include: joinery; special set-up operations; and machines related to furniture construction.

Course Codes: 918583, 918584, 978583LS, 978584LS

**Industrial Wood 3A-3B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5520

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**Prerequisite:** Completion of Industrial Wood 2A-2B or instructor approval

This course provides the students with theoretical and practical experiences in methods of cabinet construction used in modern industry. Students will complete an in-depth study of furniture and cabinet design. Each student will design and construct a learning product.

Course Codes: 918585, 918586

**Industrial Wood 4A-4B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5520

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**Prerequisite:** Industrial Wood 3A and 3B

This course is a study in advanced woodworking processes as they are related to design, planning and constructing a major project.

Course Codes: 918587, 918588

### **Industrial Wood Production A-B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5520

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**Prerequisite:** Industrial Wood 2A-2B, 3A-3B or 4A-4B with instructor approval

This course is offered to advanced woodworking students who are currently enrolled in an Industrial Wood class. These students are constructing difficult products which necessitate enrollment in an additional class period.

Course Codes: 918589, 918590

### **Interior CAD Design 1A**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4430

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**Prerequisite:** None

This is a semester course for students who are exploring the career of Interior Design. Students will learn how to design interiors with a focus on the principles of design, space requirements, room elements, building code, color and texture, renewable materials, and indoor environmental air quality. Students will produce Floor plans, Interior Elevations, and perspective views of their designs.

Course Codes: 918545, 918545S

### **Intro to Engineering and Architecture**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5571

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**Prerequisite:** None

This course is designed to introduce students to design processes, industry standards and tools used in the engineering and architecture fields. Students will develop their spatial visualization and problem solving skills in a "hands-on" laboratory setting. Students will use hand tools to measure, layout and create part geometry, develop architectural and engineering orthographic projections and develop their "hand" craftsmanship. Students will utilize progressive computer aided drafting software to communicate their ideas through the creation of engineering and architectural drawings. Students will understand how to choose which drawing tool to use to be most efficient in the workplace. Students will produce hard copies of the completed drawings and provide electronic files in a variety of graphic outputs.

Course Codes: 918531, 918532

### **Intro to Sustainable Building Design**

**Grades:** 10      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5526

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**Prerequisite:** Earth Corps 1

This is a year course for students who have successfully Earth Corps 1. The student will design buildings to the National Green Building Standard and the U.S Green Building Council LEED standards utilizing sustainable building practices. Students will be introduced to industry standard software that will allow them to more efficiently design their buildings.

Course Codes: 918546, 918547

### Technical Drawing 3A-3B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5707

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**Prerequisite:** Architectural Drawing 2B or Industrial Drafting 2B

This course is an advanced technical studies course which offers each student an opportunity to explore advanced areas of drafting he/she has interest in. Individual problems in architectural drawing or industrial drafting will be selected by each student. Problems may be designed and drafted by utilizing computer-aided drafting techniques with the approval of the instructor.

Course Codes: 918539, 918540

### Three-dimensional Wood Design/Sculpture 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5714

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**Prerequisite:** None

This course introduces the wood medium, it's qualities and potential. Students will gain an understanding of the art elements and principles of design, which will serve as a foundation for each unit of instruction.

After the safe use of tools and basic techniques are mastered, students will utilize their own creative potential as they use wood as the art medium of choice. Students will develop aesthetic perceptions by using critical thinking skills, such as observation, discrimination, comparison, contrast, and imagination. Contemporary statements will be made through an understanding of the historical importance wood has played in past cultures. Students will maintain a portfolio that will include a journal, sketches, and photographs of completed works of art. This course meets the District Fine Arts graduation requirement.

Course Codes: 918591, 918592

## **International Baccalaureate Department**

### **AP English Literature and Composition**

**Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** Admittance to the International Baccalaureate Program. It is recommended that after completing 3B Honors/IB, a student should have a grade of "B" or better to continue on to Language Arts 4 AP/IB

This course is the second year of a two-year sequence leading to both the IB exam and the AP exam. This course is focused on the preparation of students for college-level literature and writing courses and for both the IB exam and the AP exam. The course will integrate reading, writing, listening, and speaking as it encompasses poetry, drama, essays, and novels. This course involves college-level reading material and subject matter. It will develop critical thinking skills and proper skills of language, while offering challenging literary works emphasizing higher-level thinking skills.

Course Codes: 941007, 941008

### **Art/Design 1A-1B IB**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5713

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**Prerequisite:** Students should have completed an introductory level art course and exhibit high-level reading and writing skills

The expression of human ideas, beliefs, behaviors and the cultural/social contexts from which they originate are found in all aspects of the visual and performing arts. Study of the arts offers students the opportunity to explore and bring meaning to the world in which they live. Offered as a "sixth subject" in the IB curriculum, this course is designed to assist college-bound students in developing critical thinking and aesthetic valuing skills, as well as provide exposure, independent exploration and research related to the media, techniques, historical and social contexts of the visual arts. Each student will produce a completed research workbook demonstrating knowledge gained through their independent exploration of the arts and meeting the standards of the IB assessment criteria. This course will allow students to complete the standard level B International Baccalaureate examination in Art/Design. This course would also fulfill a one year fine arts requirement for graduation.

Course Codes: 945007, 945008

### **Biology 1A-1B Honors MYP**

**Grades:**      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2660

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**Prerequisite:** Minimum 3.0 grade point average for previous school year or the consent of the instructor

This course will provide an introduction for college bound students to science course work in the International Baccalaureate Program. This course acts as a gateway to the higher level science courses and lays the groundwork for scientific method, data collection and analysis, and general laboratory technique. The students in this laboratory course will first study basic biological processes that apply to all organisms. These initial investigations will focus on cytology, bioenergetics, and genetics. After mastery of basic biological concepts, students will then relate these processes to organisms as they study progressively complex life forms. Students will relate form to function and role in the ecosystem for selected organisms as they study microbiology, botany, and invertebrate zoology. Students will be evaluated on both written and lab work, as well as a year-long project. The emphasis in all lab work will be on data analysis to develop critical thinking skills.

Course Codes: 944001, 944002

### **Chemistry 1A-1B Honors/IB**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2661

**Prerequisite:** Chemistry Honors (Pre-IB) or instructor approval or student is recommended to be co-enrolled in Algebra 2 if not already completed

This course is a rigorous honors course and will cover atomic theory, stoichiometry, periodicity, bonding, states of matter, enthalpy and entropy, kinetics, equilibrium, acid-base reactions, redox reactions, basic organic chemistry, proper lab procedures, proper lab safety.

Course Codes: 944507, 944508

### **Comparative Twentieth Cent History 1A-1B**

**Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** A      **CBEDS Code:** 2762

**Prerequisite:** Admittance to the International Baccalaureate Program; grade of "C" or better in U.S. History.

This course will focus upon twentieth-century world government and political history and will include the study of social, cultural, and ideological history, with special emphasis on economic theory. A goal will be to develop an awareness of both continuity and change in the past and a knowledge of different interpretations of history. As a result of this study, students will gain a global perspective of humankind's accomplishments and failures.

Course Codes: 942009, 942010

### **Language Arts 1A-1B Honors MYP**

**Grades:** 9      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

**Prerequisite:** Admittance to the International Baccalaureate Program. It is recommended that after completing 1A Honors (Pre-IB) a student should have a grade of "C" or better to continue on to 1B second semester

This course will focus on the development of the student's ability to use the writing process in response to a literature-based curriculum. The course will integrate reading, writing, listening, and speaking. The language skills necessary to master the writing process will be emphasized. The course covers units in poetry, drama, essays, and novels and will entail a rigorous program of reading and writing in preparation for the oral and written exams for the International Baccalaureate degree. An emphasis will be placed on world literature, including classical mythology, to develop the student's awareness of global perspectives in literature.

Course Codes: 941001, 941002

### **Language Arts 2A-2B Honors MYP**

**Grades:** 10      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

**Prerequisite:** Admittance to the International Baccalaureate Program. It is recommended that after completing 2A Honors (Pre-IB) a student should have a grade of "C" or better to continue on to 2B second semester

This course will focus on the development of the student's ability to use the writing process in response to a literature-based curriculum. The course will integrate reading, writing, listening, and speaking. The language skills necessary to master the writing process will be emphasized. The course covers units in poetry, drama, essays, and novels and will entail a rigorous program of reading and writing in preparation for the oral and written exams for the International Baccalaureate degree. An emphasis will be placed on world literature to develop the student's awareness of global perspectives in literature. An emphasis will also be placed on the study of the Bible as literature to facilitate the students' understanding of biblical references and allusions in literature they will encounter in their IB and AP classes.

Course Codes: 941003, 941004

### Language Arts 3A-3B Honors/IB

**Grades:** 11      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** Admittance to the International Baccalaureate Program. It is recommended that after completing 2B Honors (Pre-IB) a student should have a grade of "B" or better to continue on to LA 3A Honors/IB

This course is the first year of a two-year sequence leading to Language Arts 4 AP/IB. The course covers units in poetry, drama, essays, and novels and will include an emphasis on world literature as well as American literature. It will entail a rigorous program which will integrate reading, writing, listening, and speaking skills in response to a literature-based curriculum. It will develop critical thinking skills and proper skills of language while offering challenging literary works emphasizing higher level thinking skills. Students will be expected to read and write extensively.

Course Codes: 941005, 941006

### Mathematical 1A IB SL

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2461

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**Prerequisite:** : "B" or better in Pre-Calculus 1B or "C" or better in Pre-Calculus 1B Honors

This course is a year-long course designed for students planning on taking the International Baccalaureate SL mathematics exam. Students from outside the IB Program are encouraged to apply. Students will learn formal logic, linear algebra, and probability and statistics. Students will review algebra, functions and equations, circular functions and trigonometry, and calculus.

Course Codes: 943515, 943516

### Physics 1A-1B Honors/IB

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2662

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**Prerequisite:** "C" or better in Physics Honors (Pre-IB). May be waived with instructor approval; Geometry "C" or better. Student is recommended to be co-enrolled in Algebra if not already completed

There are four major areas of study, each with its core content. Mechanics includes vector analysis and laws of motion, including planetary motion and spaceflight. Work, Energy, and Collisions studies how mechanical work is converted to useful energy, including momentum and energetic collisions. Molecular behavior studies the properties of substances as they change from gas to liquid to solid and the energy changes that take place. Waves and Fields includes diverse topics such as mechanical waves in water and air, wave optics such as lenses, mirrors, and optical devices such as telescopes and microscopes; static electricity and magnetic fields and their interaction are also included. Laboratory work is a vital part of this project. Great emphasis will be placed on hands-on study, including several open-design challenges, such as building wind-up cars, simple steam power plants, or building a small airplane from scratch.

Course Codes: 944509, 944510

## Theory of Knowledge 1A-1B IB

**Grades:** 11-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** G

**CBEDS Code:** 2768

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**Prerequisite:** Admittance to the International Baccalaureate Program; grade of "C" or better in U.S. History 1A-1B Language Arts Honors or teacher referral is strongly recommended

This course is designed to increase the students' understanding of what they have learned from their formal schooling. An understanding of how we acquire knowledge will serve as the course focus. The course will lead students to reflect on what they have learned and how the major areas of knowledge support and reinforce future acquisition of knowledge. Where appropriate, new concepts will be introduced to help tie various subject areas together. Students are encouraged to use subject area knowledge to promote racial, cultural, and intellectual tolerance. Students learn to engage in intellectual discussion and understand viewpoints different from their own. This course is a requirement for all students pursuing an IB diploma.

Course Codes: 949111, 949112



## **Language Arts Department**

### **AP English Language and Composition**

**Grades:** 11      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** Admission to Honors Program or identification as a G.A.T.E. student. For 3B a grade of "C" or better in the first semester for enrollment in the second semester

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

Course Codes: 931005JR, 931005JRP, 931006JR, 931006JRP

### **AP English Literature and Composition**

**Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** Admission to Honors Program or identification as a G.A.T.E. student, and a "C" or better in the first semester for enrollment in the second semester

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

Course Codes: 931007SR, 931007SRP, 931008SR, 931008SRP

### **Creative Writing/Literature**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2113

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**Prerequisite:** None

This course is designed to help students develop skills in writing fiction and poetry. Students will study superior literary works as models for their own writing. In daily writing they will imitate excellent literary models and will create original works of literature using both traditional and innovative forms. Students will be expected to develop individual portfolios of high quality writings. Students choosing to take the Creative Writing/Literature course receive general elective credit.

Course Codes: 909089SS1, 919089, 919090

## CSU Expository Reading and Writing

**Grades:** 12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** B

**CBEDS Code:** 2118

**Prerequisite:** Language Arts 1, 2 and 3

The goal of the Expository Reading and Writing Course is to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of fourteen rigorous instructional modules, students in this yearlong, rhetoric-based course develop advanced proficiency in expository, analytical, and argumentative reading and writing. The cornerstone of the course—the assignment template—presents a process for helping students read, comprehend, and respond to nonfiction and literary texts. Modules also provide instruction in research methods and documentation conventions. Students will be expected to increase their awareness of the rhetorical strategies employed by authors and to apply those strategies in their own writing. They will read closely to examine the relationship between an author's argument or theme and his or her audience and purpose; to analyze the impact of structural and rhetorical strategies; and to examine the social, political, and philosophical assumptions that underlie the text. By the end of the course, students will be expected to use this process independently when reading unfamiliar texts and writing in response to them. Course texts include contemporary essays, newspaper and magazine articles, editorials, reports, biographies, memos, assorted public documents, and other nonfiction texts. The course materials also include modules on two full-length works (one novel and one work of nonfiction). Written assessments and holistic scoring guides conclude each unit.

Course Codes: 911007ERW, 911008ERW, 981007ERW, 981008ERW

## ELD Enrichment 1A-1B

**Grades:** 09-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** None

**CBEDS Code:** 2110

**Prerequisite:** English Language Learner (CEDLT 1)

This course is designed to help non-English speaking students develop the language skills of listening, speaking, reading, and writing through a variety of communicative and academic activities. The content is communications-based and emphasizes academic collaborative activities within the areas of English language and cultural development aligning with the English Language Development standards.

Notes: This course is only offered in summer school.

Course Codes: 909147SS1, 909147SS2, 909148SS1, 909148SS2, 909149SS1, 909149SS2, 909150SS1, 909150SS2, 989147, 989148

## ELD Enrichment 2A-2B

**Grades:** 09-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** None

**CBEDS Code:** 2110

**Prerequisite:** English Language Learner (CEDLT 2)

This course is designed to help limited English speaking students further develop the language skills of listening, speaking, reading, and writing through a variety of communicative and academic activities. The content is communications-based and emphasizes academic collaborative activities within the areas of English language and cultural development aligning with the English Language Development standards.

Notes: This course is only offered in summer school.

Course Codes: 989149, 989150

### English 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2198

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**Prerequisite:** English Language Learner (CEDLT 1)

This course shelters literature to cover the aspects of reading, writing, listening, and speaking in context. English learners will develop standards-based knowledge and skills to advance their academic language proficiency. Connections to literature, real-life experiences, historical contexts, and cultural influences will also be emphasized. This course helps build a foundation for understanding both fiction and non-fiction literature. Through reading strategies, theme-related vocabulary, literary concepts, as well as formal and informal discussions, students will acquire the basics of English literature. Additionally, students will begin to develop grammar applications and obtain writing skills from sentence-to-paragraph level as they progress towards ongoing language development.

Course Codes: 989141, 989142

### English 2A-2B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2198

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**Prerequisite:** Complete English Language Learner (ELD) 1 and English 1; English Learner (CELDT 2)

This course shelters literature to cover the aspects of reading, writing, listening, and speaking in context. English learners will develop standards-based knowledge and skills to advance their academic language proficiency. Connections to literature, real-life experiences, historical contexts, and cultural influences will also be emphasized. This course continues to build an understanding of both fiction and non-fiction literature. Through reading strategies, theme-related vocabulary, literary concepts, as well as formal and informal discussions, students will acquire increased appreciation for literature in English. Additionally, students will further develop grammar applications and writing skills from paragraph-to-essay level as they progress towards ongoing academic language development.

Course Codes: 989143, 989144

### English Language Development (ELD) 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2101

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**Prerequisite:** English Language Learner (CELDT 1)

This course develops academic English, grammar and language to cover the aspects of reading, writing, listening, and speaking in context. English learners will develop standards-based knowledge and skills to advance their academic language proficiency. Connections to basic interpersonal communication skills (BICS) will be emphasized through literature, real-life experiences, historical contexts, and cultural influences. This course helps build a foundation for understanding through interpersonal and academic vocabulary development. By using reading strategies, unit-related vocabulary, literary concepts, grammar development and conjugation, students will acquire the basics of English language and grammar. Additionally, students will obtain writing skills from word-to-phrase-to-sentence level as they progress towards ongoing language development.

Course Codes: 981009, 981010

### English Language Development (ELD) 2A-2B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2101

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**Prerequisite:** English Language Learner (CELDT 2)

This course further develops academic English, grammar and language to cover the aspects of reading, writing, listening, and speaking in context. English learners will continue to develop standards-based knowledge and skills to advance their academic language proficiency. Connections to basic interpersonal communication skills (BICS) will be emphasized through literature, real-life experiences, historical contexts, and cultural influences. This course helps build a foundation for understanding through interpersonal and academic vocabulary development. By using reading strategies, unit-related vocabulary, literary concepts, grammar development and conjugation, students will acquire the basics of English language and grammar. Additionally, students will obtain writing skills from phrase-to-sentence-to-paragraph level as they advance in their language development.

Course Codes: 981011, 981012

### English Language Development (ELD) 3B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2110

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**Prerequisite:** English Language Learner and (CELDT 3)

This course further develops academic English, grammar and language to cover the aspects of reading, writing, listening, and speaking in context. English learners will continue to develop standards-based knowledge and skills to advance their academic language proficiency. Connections to cognitive academic language proficiency (CALP) will be emphasized through literature, real-life experiences, historical contexts, and cultural influences. This course focuses on mastery of content standards and academic vocabulary. By using reading strategies, unit-related vocabulary, literary concepts, and grammar mastery, students will attain near-native fluency of the English language. Additionally, students will obtain writing skills from sentence-to-paragraph-to-essay level as they advance in their language development.

Course Codes: 989145, 989146

### Expository Reading and Writing

**Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** Language Arts 1, 2 and 3

The goal of the Expository Reading and Writing Course is to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of fourteen rigorous instructional modules, students in this yearlong, rhetoric-based course develop advanced proficiency in expository, analytical, and argumentative reading and writing. The cornerstone of the course-the assignment template-presents a process for helping students read, comprehend, and respond to nonfiction and literary texts. Modules also provide instruction in research methods and documentation conventions. Students will be expected to increase their awareness of the rhetorical strategies employed by authors and to apply those strategies in their own writing. They will read closely to examine the relationship between an author's argument or theme and his or her audience and purpose; to analyze the impact of structural and rhetorical strategies; and to examine the social, political, and philosophical assumptions that underlie the text. By the end of the course, students will be expected to use this process independently when reading unfamiliar texts and writing in response to them. Course texts include contemporary essays, newspaper and magazine articles, editorials, reports, biographies, memos, assorted public documents, and other nonfiction texts. The course materials also include modules on two full-length works (one novel and one work of nonfiction). Written assessments and holistic scoring guides conclude each unit.

Course Codes: 911007, 911008, 981007, 981008

### Language Arts 1A-1B

**Grades:** 9      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** None

This course focuses on the development of the student's ability to use the writing process in response to a literature-based curriculum. The course will integrate reading, writing, listening, and speaking. The language skills necessary to master the writing process will be emphasized. In-depth studies of selected literary works will provide an opportunity to study human values through literature.

Course Codes: 901001, 901001CR, 901001CR1, 901001CR2, 901001SS1, 901001SS2, 901002, 901002CR, 901002CR1, 901002CR2, 901002SS1, 901002SS2, 911001, 911001L, 911001P, 911002, 911002L, 911002P, 951001, 951002, 961001, 961001II, 961001SS1, 961002, 961002II, 961002SS1, 981001, 981001L, 981001SS1, 981001SS2, 981002, 981002L, 981002SS1, 981002SS2

### Language Arts 1A-1B Honors

**Grades:** 9      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** Admission to Honors Program or identification as a G.A.T.E. student. For 1B a grade of "C" or better in 1A Honors

This course focuses on the development of the student's ability to use the writing process in response to a literature-based curriculum. The course will integrate reading, writing, listening, and speaking. The language skills necessary to master the writing process will be emphasized. In-depth studies of selected literary works will provide an opportunity to study human values through literature.

In the Honors Program, students will be offered challenging literary works emphasizing higher level thinking skills. Honors students will be expected to read and write extensively.

Course Codes: 921001, 921001P, 921001RI, 921001SK, 921002, 921002P, 921002RI, 921002SK

### Language Arts 2A-2B

**Grades:** 10      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** None

This course focuses on the development of the student's ability to use the writing process in response to a literature-based curriculum. This course will integrate reading, writing, listening, and speaking. Students will experience a variety of literary genres with an emphasis on world literature. The course will develop critical thinking skills and the proper use of language. Vocabulary will be taught within the context of the literature. This course will help students develop values and an understanding of themselves and others.

Course Codes: 901003, 901003CR, 901003CR1, 901003CR2, 901003SS1, 901003SS2, 901004, 901004CR, 901004CR1, 901004CR2, 901004SS1, 901004SS2, 911003, 911003L, 911003P, 911003PR, 911004, 911004L, 911004P, 911004PR, 951003, 951004, 961003, 961003II, 961003SS1, 961004, 961004II, 961004SS1, 981003, 981003L, 981004, 981004L

### Language Arts 2A-2B Honors

**Grades:** 10      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** Admission to Honors Program or identification as a G.A.T.E. student. For 2B a grade of "C" or better in 2A Honors

This course focuses on the development of the student's ability to use the writing process in response to a literature-based curriculum. This course will integrate reading, writing, listening, and speaking. Students will experience a variety of literary genres with an emphasis on world literature. The course will develop critical thinking skills and the proper use of language. Vocabulary will be taught within the context of the literature. This course will help students develop values and understanding of themselves and others.

In the Honors Program, students will be offered challenging literary works emphasizing higher level thinking skills. Honors students will be expected to read and write extensively.

Course Codes: 921003, 921003P, 921004, 921004P

### Language Arts 3A-3B

**Grades:** 11      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** None

This course focuses on the development of the student's ability to use the writing process in response to a literature-based curriculum. This course will integrate reading, writing, listening, and speaking. Students will experience a variety of literary genres with an emphasis on American literature. This course will develop critical thinking skills and proper language skills. Vocabulary will be developed within the context of the literature. This course will help students develop a better understanding of American cultural values and historical perspectives.

Course Codes: 901005, 901005CR, 901005CR1, 901005CR2, 901005SS1, 901005SS2, 901006, 901006CR, 901006CR1, 901006CR2, 901006SS1, 901006SS2, 911005, 911005AM, 911006, 911006AM, 951005, 951006, 961005, 961005II, 961005SS1, 961006, 961006II, 961006SS1, 981005, 981006

### Language Arts 4A-4B

**Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** B      **CBEDS Code:** 2101

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**Prerequisite:** None

This course focuses on the development of the student's ability to use the writing process in response to a literature-based curriculum. This course will integrate reading, writing, speaking, and listening. Students will study the works of major British authors. The course will emphasize interpretation and evaluation of literature through both written and oral modes. Additionally, the course content will provide students with the critical thinking and writing skills expected for college courses.

Course Codes: 901007, 901007CR, 901007SS1, 901007SS2, 901008, 901008CR, 901008SS1, 901008SS2, 951007, 951008, 961007, 961007II, 961007SS1, 961008, 961008II, 961008SS1

## Language Arts Standards Mastery

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2198

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**Prerequisite:** Failure to pass the California High School Exit Exam

This course is designed to provide review and remediation for students who have not yet passed the language arts section of the California High School Exit Exam (CAHSEE). Course components include the following: word analysis, vocabulary development, reading comprehension, and literary response and analysis; writing strategies, written and oral language conventions, and writing applications (domains and their characteristics). Standards emphasized in the course are those tested on the CAHSEE. This course earns elective credit and may be repeated for duplicate credit.

Course Codes: 909182, 909182S, 909182SS1, 909182SS2, 919182, 919182F, 919182S, 919182U, 959182, 959182S, 969182, 969182II, 969182S, 969182SS1

## Language Arts-Reading Skills 1A-1B

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2100

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**Prerequisite:** None

This course is an elective course which emphasizes basic reading skills. Students reading ability will be diagnosed and instruction will be provided to include decoding strategies, contextual and structural analysis, vocabulary development, reading fluency and corresponding writing and listening skills. Enhancing reading comprehension, through reading to learn strategies will be stressed to provide opportunities for students to become powerful readers. This course may be repeated for duplicate credit.

Course Codes: 919183, 919184, 959185, 969183, 969184, 969185, 969185SS1, 989185

## Reading

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2100

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**Prerequisite:** None

This course is an elective course which emphasizes basic reading skills. Students reading ability will be diagnosed and instruction will be provided to include decoding strategies, contextual and structural analysis, vocabulary development, reading fluency and corresponding writing and listening skills. Enhancing reading comprehension, through reading to learn strategies will be stressed to provide opportunities for students to become powerful readers. This course may be repeated for duplicate credit.

Course Codes: 919185, 919185W

## Short Story

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2109

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**Prerequisite:** None

The short story will be studied as a particular genre in terms of analysis and evaluation of all its elements. A variety of authors and universal themes will be included. Writing, listening, and speaking activities will be based on the short stories read. Students choosing to take the Short Story course receive general elective credit

Course Codes: 919092

### Speech and Debate

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2112

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**Prerequisite:** Instructor approval

This course is designed for the student interested in communication and public speaking. The course will provide the student with training in logical thinking, research techniques and argumentative strategies necessary for effective public speaking. This course would be helpful for students interested in pursuing careers in law, government, business, education, or any field in which persuasive discourse is essential. Students will have the opportunity to participate in various academic competitions and community programs to accomplish course goals. This course may be repeated for duplicate credit.

Course Codes: 919101

### The Novel

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2109

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**Prerequisite:** None

This course is designed to acquaint students with fiction in order to develop their appreciation of the novel as an art form and as a vehicle for varying ideas, human issues, and cultural and aesthetic values. Writing, listening, and speaking activities will be based on the novels read. Students choosing to take the Novel course receive general elective credit.

Course Codes: 919091

### Yearbook 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2821

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**Prerequisite:** Instructor approval

This course is designed with the primary function of producing a yearbook for the total student body. Students should seek enrollment out of a desire to work in one or more of the following areas: graphic design, written communication, typing, business skills, and/or photography. The staff shall be selected to insure a group that is well balanced in these performance areas. However, students will be expected to perform in all areas. If a student is interested in being a photographer, he/she should own (or have the use of) a 35mm camera. This course may be repeated for duplicate credit.

Course Codes: 919087



## **Mathematics Department**

### **Algebra 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2403

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**Prerequisite:** None

Algebra 1A-1B is a formal development and foundation of the algebraic skills necessary for further courses. The course content covers topics such as: algebraic expressions, rational numbers and their applications, solving equations and inequalities, operations on polynomials, factoring polynomials, problem solving strategies, rational expressions, functions, solving systems of equations, graphing linear equations, radical expressions, solving quadratic equations, and probability and statistics.

Course Codes: 903001, 903001CR, 903001SS1, 903001SS2, 903002, 903002CR, 903002SS1, 903002SS2, 913001, 913001F, 913001PR, 913001S, 913001U, 913002, 913002F, 913002PR, 913002S, 913002U, 953001, 953001F, 953001SS1, 953002, 953002F, 953002SS1, 963001II, 963001M, 963001SS1, 963002AL, 963002II, 963002SS1, 983001, 983001F, 983002, 983002F

### **Algebra 2A-2B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2404

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**Prerequisite:** "C" or better in Geometry 1B or "C" or better in Algebra 1B

This course is designed for the college-bound student. Algebra 2A-2B expands on the content of Algebra 1A-1B and Geometry and is a formal development of the skills and concepts necessary for Trigonometry and Pre-Calculus.

Topics covered include: equations and inequalities, linear relations and functions, systems of linear equations and inequalities, matrices and determinants, polynomials, irrational and complex numbers, quadratic equations, quadratic relations and functions, conics, polynomials, rational polynomial expressions, exponential and logarithmic functions, sequences and series, probability and trigonometric functions, graphs, and identities.

Course Codes: 903007, 903007CR, 903007SS1, 903007SS2, 903008, 903008CR, 903008SS1, 903008SS2, 913007, 913007F, 913007PR, 913007U, 913008, 913008F, 913008PR, 913008U, 983007, 983008

### **Algebra 2A-2B Honors**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2417

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**Prerequisite:** "B" or better in Geometry 1B or Algebra 1B or "C" or better in Geometry 1B Honors

This course is designed for the college-bound student who shows high aptitude, achievement and interest in mathematics.

Algebra 2A-2B Honors expands on

the content of Algebra 1A-1B and Geometry 1A-1B and is a formal development of the skills and concepts necessary for Trigonometry and Pre-Calculus.

Topics covered include: equations and inequalities, linear relations and functions, systems of linear equations and inequalities, matrices and determinants, polynomials, irrational and complex numbers, quadratic equations, quadratic relations, functions, conics, polynomials, rational polynomial expressions, exponential and logarithmic functions, sequences and series, probability and trigonometric functions, graphs, and identities. The material and approach are more rigorous than in Algebra 2A-2B.

Course Codes: 923007, 923007F, 923007SK, 923008, 923008F, 923008SK, 943007, 943008

### Algebra Excel 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2429

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**Prerequisite:** Passing grade in Algebra 1A

The course content covers four major units of study: 1) polynomial expressions and their operations, 2) quadratic functions, 3) rational expressions, and 4) radicals and their operations. Within these units the students will cover such topics as polynomials, exponents, factoring, the quadratic formula, quadratics functions, square roots, The Pythagorean Theorem, and operations with radicals. Intervention materials are also integrated throughout the course content.

Course Codes: 903003, 903003CR, 903003SS1, 903003SS2, 903004, 903004CR, 903004SS1, 903004SS2, 913003, 913004, 983003, 983004

### Algebra Extensions 1A-1B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2404

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**Prerequisite:** Credit in Geometry 1A-1B or Fundamentals of Geometry 1A-1B

This course is designed for students who are continuing in math but who are not prepared for the traditional Algebra 2 course. In addition to reinforcing and extending Algebra 1 and Geometry standards, this course introduces many of the Algebra 2 standards. The course will cover such topics as: properties of real numbers, equations and inequalities, systems of linear equations and inequalities, polynomials, laws of exponents, quadratic equations, and probability and statistics. The course will explore applications with technology.

Course Codes: 903005, 903005CR, 903005SS1, 903005SS2, 903006, 903006CR, 903006SS1, 903006SS2, 913005, 913005IB, 913006, 913006IB, 953005, 953006, 963005II, 963006II, 983005, 983006

### AP Calculus AB

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2480

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**Prerequisite:** "B" or better in Pre-Calculus 1B or "C" or better Pre-Calculus 1B Honors

This course is designed for students who wish to earn college credit in Calculus by taking the Calculus AB Advanced Placement Examination. It is designed for those students who plan to major in mathematics, engineering, computer science, or a math related field. This course covers such topics as: the Cartesian plane and functions, limits and their properties, differentiation and its applications, integration, logarithmic and exponential functions, differentiation and integration of logarithmic, exponential and other transcendental functions, volumes by disc, and cross sectional areas.

Course Codes: 933513, 933514

## AP Calculus BC

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2481

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**Prerequisite:** "A" in Pre-Calculus 1B Honors (with teacher recommendation), Calculus 1B Advanced Placement/AB, or Calculus 1B

This course is designed for students who wish to earn college credit in Calculus by taking the Calculus BC Advanced Placement Examination. The BC exam covers more topics than does the AB exam and earns more credit at most colleges and universities. It is designed for those students who plan to major in mathematics, engineering, computer science, or a math related field. This course reviews topics such as: Cartesian plane and functions, limits and their properties, differentiation and its applications, integration and its applications. This course also emphasizes integration through partial fraction decomposition, trigonometric integration, L'Hopital's rule, improper integrals, infinite series, Taylor and Maclaurin series and polynomial approximations, parametric, polar, and vector functions, analysis of planar curves in parametric form, polar form and vector form, derivatives of parametric, polar, and vector functions, Euler's method, and slope fields.

Course Codes: 933515, 933515ABC, 933516, 933516ABC

## AP Computer Science

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** G      **CBEDS Code:** 2471

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**Prerequisite:** Previous or concurrent enrollment in Algebra 2

Computer Science Advanced Placement/AB places major emphasis on programming methodology, algorithms, and data structures. Applications of computing provide the context in which these subjects are treated; applications are used to develop student awareness of the need for particular algorithms and data structures, as well as to provide topics for programming assignments to which students can apply their knowledge. A particular programming language constitutes the vehicle for implementing computer-based solutions to particular problems. Treatments of computer systems and the social implications of computing are integrated into the course and not isolated as separate units. JAVA will be the language of Computer Science Advanced Placement/AB.

Course Codes: 933517, 933518

## AP Statistics

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2483

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**Prerequisite:** "B" or better in Algebra 2 or "C" or better in Algebra 2 Honors

This course will cover the following topics: exploring data (interpreting graphical displays of distributions, summarizing and comparing distributions of univariate data, and exploring bivariate and categorical data); planning a study (planning, conducting, and generalizing results from surveys and experiments); producing models using probability theory and simulation (probability as relative frequency, combining independent random variables, the normal distribution, and sampling distributions); statistical inference-confirming models (use of confidence intervals, testing of significance and hypothesis, and appropriate use of the t-distribution). Students will review for the Advanced Placement Statistics Test.

Course Codes: 933509, 933510

## Calculus 1A-1B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2415

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**Prerequisite:** "C" or better in Pre-Calculus 1B or Pre-Calculus 1B Honors

This course is for students who wish to continue in the math sequence and experience Calculus before attending a University. It is designed for those students who wish to take Calculus at the high school level without taking the Advanced Placement Test. Calculus 1A-1B covers such topics as: the Cartesian plane and functions, limits and their properties, differentiation and its applications, integration, logarithmic and exponential functions, differentiation and integration of logarithmic, exponential and other transcendental functions, volumes by disc, shell, and cross sectional areas.

Course Codes: 913513, 913514

## CEEP Mathematics

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2498

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**Prerequisite:**

College Entrance Exam Preparation (CEEP) Mathematics is a semester long math course that prepares students for college mathematics entrance exams by reviewing and teaching standards required for success on placement exams. The course content includes the topical categories of Numbers and Data Analysis, Algebra 1 Standards, Geometry Standards, Logarithms and Exponential functions, Basic Trigonometry, and selected Algebra 2 Standards.

Notes: Recommended Prerequisites: Students should have completed Algebra 1B and Geometry 1B with grades of C or higher for second semester grades. Students scoring below 550 on the College Board SAT Mathematics Exam, or scoring below 23 on the Mathematics portion of the ACT Exam, or students receiving a Conditional Readiness or below on the EAP, or students not taking mathematics during their senior year are encouraged to take this semester class.

Course Codes: 913506, 913506S

## Financial Algebra 1A-1B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2401

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**Prerequisite:** Juniors who have completed Algebra 1B with a C or better and are concurrently enrolled in another math course may enroll in this course.

Stock Market, Modeling a Business, Banking Services, Consumer Credit, Automobile Ownership, Employment Basics, Income Taxes, Independent Living, Planning for Retirement, Prepare a Budget.

Notes: This course is available to any seniors who have completed Algebra 1B with a C or better.

Course Codes: 913011

## Fundamentals of Geometry 1A-1B

**Grades:** 09-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** None

**CBEDS Code:** 2413

**Prerequisite:** Passing grade in Algebra 1A-1B

This course covers many of the same topics as Geometry 1A-1B but it is not designed for the college-bound student. It does not satisfy the University of California "c" requirement because it is less rigorous and puts less emphasis on formal proofs than does the Geometry 1A-1B course. Fundamentals of Geometry 1A-1B covers such topics as: properties of real numbers, ratios (including trigonometric ratios), proportions, congruence and similarity, equations and inequalities, formulas (e.g., area, volume, midpoint, distance, and sum of interior and exterior angles), the Pythagorean Theorem, basic geometric constructions with straight-edge and compass, geometric concepts involving polygons and solids, geometric concepts involving parallel and perpendicular lines, algebraic proofs, problem solving, and interpretation of graphs. Algebra 1A-1B concepts are also reinforced in the course.

Course Codes: 903502, 903502CR, 903502SS1, 903502SS2, 903503, 903503CR, 903503SS1, 903503SS2, 913502, 913502S, 913503, 913503S, 953502, 953503, 983502, 983503

## Geometry 1A-1B

**Grades:** 09-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** C

**CBEDS Code:** 2413

**Prerequisite:** "C" or better in Algebra 1B

This course is designed for the college-bound student. Geometry 1A-1B is a formal development of the geometric skills necessary for further courses. Topics covered include: language of geometry, reasoning and proofs, constructions, parallel lines and planes, congruent triangles and their applications, quadrilaterals, similarity, right triangles, right triangle trigonometry, circles, areas of polygons and circles, surface area and volumes of prisms and cylinders, and coordinate geometry.

Course Codes: 903504, 903504CR, 903504SS1, 903504SS2, 903505, 903505CR, 903505SS1, 903505SS2, 913504, 913504F, 913504PR, 913504S, 913504U, 913505, 913505F, 913505PR, 913505S, 913505U, 953504, 953505, 963504II, 963505II, 983504, 983505

## Geometry 1A-1B Honors

**Grades:** 09-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** C

**CBEDS Code:** 2413

**Prerequisite:** "B" or better in Algebra 1B

This course is designed for the college-bound student who shows high aptitude, achievement, and interest in mathematics. Geometry 1A-1B Honors is a formal development of the geometric skills necessary for further courses. Topics covered include: language of geometry, reasoning with an emphasis on proofs, constructions, parallel lines and planes, congruent triangles and their applications, quadrilaterals, similarity, right triangles, trigonometry, circles, areas of polygons and circles, surface area and volumes of prisms and cylinders, coordinate geometry, and loci and transformations. The material and approach are more rigorous than in Geometry 1A-1B.

Course Codes: 923504, 923504SK, 923505, 923505SK, 943504, 943505

## Integrated Math

**Grades:**                      **Duration:**                      **Credits:**                      **UC/CSU:** None                      **CBEDS Code:**

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**Prerequisite:**

Course Codes: 963520, 963520II, 963521, 963521II, 963522II

## Integrated Math 1A-1B

**Grades:** 09-12                      **Duration:** Year                      **Credits:** 10 Credits                      **UC/CSU:** None                      **CBEDS Code:** 2403

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**Prerequisite:**

In this course, students will review, make connections, and further develop skills learned in middle school mathematics. The fundamental purpose of Mathematics I is to formalize and extend students' understanding of linear functions and their applications. The critical topics of study deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Mathematics I uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. This course will introduce students to theoretical knowledge as well as applications where they will be able to transfer their knowledge toward problem solving. Students who successfully complete this course will be enrolled in Integrated Mathematics II the following year.

Course Codes: 903013CR, 903014CR, 913013, 913013ADY, 913013U, 913014, 913014ADY, 913014U, 953013, 953014, 953015, 963013, 963013II, 963014, 963014II, 963015, 983013, 983014

## Math Standards Mastery

**Grades:** 11-12                      **Duration:** Semester                      **Credits:** 5 Credits                      **UC/CSU:** None                      **CBEDS Code:** 2402

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**Prerequisite:** Failure to pass the Math section of the California High School Exit Exam

This course is designed to provide review and remediation for students who have not yet passed the mathematics portion of the California High School Exit Exam (CAHSEE). Standards emphasized in the course are those tested on the CAHSEE as listed below. Geometry concepts are introduced in an informal and discovery approach for developing geometric skills that complement the mastery standards and prepares students for success in Geometry 1A-1B. This course earns math credit towards graduation and may be repeated for duplicate credit as elective credits.

Course Codes: 903501, 903501CR, 903501SS1, 903501SS2, 909181, 909181S, 909181SS1, 909181SS2, 913501, 913501S, 919181F, 919181FA, 919181FB, 919181U, 919181UA, 953501, 953501S, 959181, 959181S, 963501, 963501II, 963501S, 963501SS1, 969181, 969181S

## Math Stud 1A HNR IB

**Grades:** 10-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** C

**CBEDS Code:** 2460

**Prerequisite:** "C" or better in Algebra 2, Algebra 2 Honors or instructor approval

IB diploma candidates will be expected to know and utilize various types of functions such as linear, quadratic, exponential, and numerical functions; be able to collect, calculate and present statistics derived from experimental data; have an understanding of the language of sets; utilize De Morgan's Law as they apply to sets and logic; use business techniques to compute compound interest; compute with vectors and matrices; extend coordinates into three dimensions; and investigate and use trigonometric functions and properties as they relate to triangles, graphs, and spherical surfaces. Candidates will use this mathematical knowledge in an original piece of research in the form of a project. The culmination of the course will be to take the IB Mathematical Studies Standard Level Exam.

Course Codes: 943513, 943514

## Pre-Calculus 1A-1B

**Grades:** 10-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** C

**CBEDS Code:** 2414

**Prerequisite:** "C" or better in Algebra 2B

This course is designed for the college-bound student who plans to major in economics, business, psychology, or any other math related field.

Pre-Calculus 1A-1B is a study of the prerequisite skills to a calculus course and an extension of the concepts covered in Algebra 2 with an emphasis including trigonometry and functions, their applications, and the use of the graphic calculator. Pre-Calculus 1A-1B covers such topics as: review of algebra, functions and graphs, intercepts, zeros and solutions, polynomial and rational functions, exponential and logarithmic functions, the unit circle, trigonometric functions applied to right triangles, graphs of trigonometric functions, applications of trigonometry, oblique triangles, verifying identities, solving trigonometric equations, linear models and systems of equations, matrices and determinants, sequences, conics, and vectors.

Course Codes: 913511, 913512

### **Pre-Calculus 1A-1B Honors**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2414

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**Prerequisite:** "B" or better in Algebra 2B or "C" or better in Algebra 2B Honors

This course is designed for the college-bound student who plans to major in the sciences, architecture, engineering, computer science, mathematics, economics, business, psychology, or any math related field. Pre-Calculus

1A-1B Honors is an in-depth study of the prerequisite skills to a college level

calculus course including an extension of the concepts covered in Algebra 2

with an emphasis on trigonometry and functions, their applications. Graphing calculators and their applications will be emphasized. Pre-Calculus 1A-1B

Honors covers advanced topics in the areas of: review of algebra, functions and graphs, intercepts, zeros and solutions, polynomial and rational functions, exponential and logarithmic functions, the unit circle, trigonometric functions applied to right triangles, graphs of trigonometric functions, applications of trigonometry, oblique triangles, verifying identities, solving trigonometric

equations, linear models and systems of equations, matrices and determinants,

sequences, probability and statistics, conics, parametric equations, polar

coordinates, vectors, limits, tangent lines, and area.

Course Codes: 923511, 923511A, 923512, 923512A, 943511, 943512

### **Probability and Statistics 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2410

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**Prerequisite:** "C" or better in Algebra 2B or Algebra 2B Honors

This course is designed for the college-bound student who does not plan on majoring in a math based field. Probability and Statistics covers such topics as: organizing data, averages and variations, elementary probability theory, binomial distributions, normal distributions, and introduction to sampling distributions.

Course Codes: 913509, 913509SP, 913510, 913510SP

### **Trigonometry 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** C      **CBEDS Code:** 2407

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**Prerequisite:** Completed Algebra 2

This is an excellent option for students who have completed Algebra 2 but who do not want to go on to Pre-Calculus. This course is especially designed to help students increase performance on the SAT and add an additional Math course to their transcript beyond Algebra 2 which should increase their probability of admission to college.

Course Codes: 913507, 913508



## **Non-Departmental**

### **Child Development 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4321

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**Prerequisite:** Signed parent permission

This course is a study of the physical, emotional, social, and intellectual development of the child from birth to age six. Units of instruction include: pregnancy, prenatal care and responsibilities of parenthood. Students will observe children at different stages of development.

Course Codes: 919121, 919122

### **Clothing 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4331

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**Prerequisite:** None

This course will teach students the use and care of sewing machines and equipment. The students will follow pattern guides and construct simple required projects.

Course Codes: 919127, 919128

### **Clothing 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4331

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**Prerequisite:** "C" or better in Clothing 1A-1B or instructor approval

This course is class for students who have mastered the basic skills of Clothing 1A-1B. Emphasis will be placed on advanced clothing construction methods such as seams and techniques for specialty fabrics. Students are expected to complete projects of moderate difficulty.

Course Codes: 919129, 919130

### **Clothing Design**

**Grades:** 10-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2813

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**Prerequisite:** None

This course emphasizes the influences on modern fashion, color analysis, design techniques, textiles design, fashion designers, and opportunities in the fashion industry. The student will be given opportunities to develop his/her design ideas through individualized projects. This course meets one semester of the District Fine Arts graduation requirement.

Course Codes: 919131

### Design Manufacturing Technology 1A-1B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5623

**Prerequisite:** Industrial Drafting 1A-1B and/or Metals 1A-1B, or a Senior Honors Math and Science student

This is an advanced level industrial technology course which integrates drafting, CAD, wood, metals, and plastics. In this course students study design, manufacturing and management components of modern industry while reinforcing academic learning, creative expression and role playing in an industrial setting. Students are evaluated on participation, design concepts, creativity, computer-aided drafting and computer automated manufacturing (CAD/CAM) skills, computer numerical control (CNC) machining, and dimensional inspection of the final product.

Course Codes: 918515

### Early Dismissal

**Grades:**      **Duration:**      **Credits:**      **UC/CSU:** None      **CBEDS Code:** XXXX

**Prerequisite:**

Student leaves earlier than official dismissal time of school.

Course Codes: 919063, 919063P5, 919063P6, 919064, 919064P4, 919064P5, 919064P6

### Foods 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4361

**Prerequisite:** None

This course is designed to introduce the students to the basics of food preparation and nutrition. Studies will include efficient kitchen management, use of small equipment, cooking terms and techniques. Competency in these skills will be demonstrated in cooking labs. Credit will be earned from written assignments, tests, class projects and lab participation.

Course Codes: 919132, 919133, 979132LS, 979133LS

### Foods 2A-2B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4361

**Prerequisite:** "C" or better in Foods 1A-1B

In this course students will prepare fast and easy meals to meet the demands of their life-style. Studies will include computer assisted meal planning and nutritional analysis. Credit will be earned from written assignments, tests, class projects and lab participation.

Course Codes: 919134, 919135, 979134LS, 979135LS

### Home Room

**Grades:** 09-12      **Duration:** Year      **Credits:**      **UC/CSU:** None      **CBEDS Code:** XXXX

**Prerequisite:** None

This course is designed to assist students in grades 9th through 12th with connecting to high school through building relationships with other students and with faculty and to focus on building skills that will help make them successful in high school and beyond. The class will concentrate on attachment (to other students, staff, and school) achievement (items related to academic success) and awareness (of self and others, and life issues.)

Course Codes: 919001, 919002, 919003, 919004, 919005

### Interior Design 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4430

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**Prerequisite:** None

This course introduces design as a medium in residential and commercial environments. It will include an overview of the requirements for a comfortable, functioning, and aesthetically pleasing living and workspace.

Emphasis is placed on application of design principles and elements as well as the cultural and historical perspective of art relating to interiors and housing.

Students will study career opportunities in the interior design industry. This course meets the District Fine Arts graduation requirement.

Course Codes: 909137SS1, 909137SS2, 909138SS1, 909138SS2, 919137, 919138

### Late Arrival

**Grades:**      **Duration:**      **Credits:**      **UC/CSU:** None      **CBEDS Code:** XXXX

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**Prerequisite:**

Student arrives after the official start time of school.

Course Codes: 919061, 919061P1, 919061P2, 919062, 919062P1, 919062P2

### Leadership Ethnic Advisory

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2719

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**Prerequisite:**

The Ethnic Advisory Council (EAC) is part of the Associated Student Body leadership core on campus and has the specific responsibility of exposing the campus to the wonders and excitement of culture, as well as being a service group. EAC is dedicated to hosting a yearly Multicultural assembly as well as to organizing campus-wide cultural activities and blood drives.

Course Codes: 919029, 919030

### Link Crew

**Grades:** 10-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 6098

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**Prerequisite:** 2.0 GPA, Counselor/Teacher Recommendation

Link Crew is a high school orientation and transition program that increases freshman success. Members of the sophomore, junior and senior class are trained to be Link Crew Leaders who act as positive role models, motivators, student mentors and teachers helping guide the freshmen to discover what it takes to be successful during their high school transition. As freshman success increases, the benefits to the school climate and culture become apparent; Link Crew schools report having greater student connection, increased extracurricular participation, fewer discipline issues and improved academic performance. Link Crew schools value the service-learning and character development achieved through this proven high school orientation program.

Course Codes: 919027, 919028

## Math Academy Algebra 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2402

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**Prerequisite:** Students must meet entrance criteria based on past district and state scores and teacher recommendation.

Math Academy is a math intervention course that supports students struggling with their core math curriculum. This course is designed to:

- Run concurrent with the student's Core Math Class
- Frontload math content from their Core Math Class, using the same scope and sequence for that course
- Make connections and narrow gaps in mathematics knowledge and understanding
- Be an extension of the students Core Math Curriculum, not a standalone curriculum

Course Codes: 919115, 919116

## On Your Own

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4351

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**Prerequisite:** Signed parent permission

This course is designed to prepare students to live "on their own" after leaving school. Emphasis is on decision making as it relates to single living and consumer issues. Studies will include the process of renting, securing a job, establishing a budget, and obtaining credit. The course includes personal relations, marriage and family living. Credit will be earned from written assignments, class participation, tests, and out-of-class projects.

Course Codes: 909136CR, 919136

## Renaissance

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 6098

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**Prerequisite:** Application, Interviewed and teacher recommended

The focus of this course is the development of student leadership skills through practical experiences that include communication, service learning, government, personal and social development and business skills. Through teamwork students set goals, coordinate committees, and create and implement programs to recognize student achievement. The Renaissance Leadership program is designed to promote and encourage academic excellence and leadership, unity amongst students and faculty, school spirit, and exemplarily models of citizenship. Renaissance students will be positive role models and display the expectations of all high school students. As mentors, leaders, and motivators they will guide students on campus on what it takes to be successful throughout their academic career.

Course Codes: 919025, 919026

## Summer Bridge LA

**Grades:** 9      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2116

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**Prerequisite:**

This is an integrated intervention curriculum for entering freshman who are struggling in both Language Arts and Mathematics. Each section is staffed with a Language Arts and a Mathematics teacher and each student will receive a grade in both of these subjects upon completion of the course.

Course Codes: 909197LA, 909197LAEL, 909198MA, 909198MAEL

### Teacher's Assistant

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** XXXX

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**Prerequisite:**

Assisting the teacher in the classroom.

Course Codes: 919041, 919041AG, 919041Art, 919041COM, 919041HLTH, 919041LA, 919041Math, 919041PE, 919041Sci, 919041SS, 919041Tech, 919041WL, 919042, 919042AG, 919042Art, 919042COM, 919042HLTH, 919042LA, 919042Math, 919042PE, 919042Sci, 919042SS, 919042Tech, 919042WL

### Advanced Journalism

#### Advanced Journalism 3A-3B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2111

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**Prerequisite:** Intermediate Journalism 2A-2B or teacher recommendation

This elective course is open to high school students who excelled in Intermediate Journalism and wish to demonstrate leadership in editing and/or managing the campus newspaper. This course is a writing and editing oriented class with emphasis on precise, concrete, accurate and factual prose published for the school community. Students demonstrate their skills in the art of newspaper writing and production: news, sports, feature, editorial, and review writing; proof reading, editing, reporting, interviewing, typing in word processing and layout software, and layout design. Students also demonstrate their ability to write well under pressure, gather information independently and organize it cooperatively and work effectively with their peers. Through extensive rewriting, students exhibit mastery in all of these skills. This course will also include the leadership and management of newspaper and magazine production.

Course Codes: 919085, 919086

## Air Science

### Air Science 1A-1B Aviation History -AFJROTC

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2505

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**Prerequisite:** None

The purpose of this first year course is to acquaint the student with historical development of flight and the role of the military in history. About three-quarters of the available classroom hours are spent reviewing the development of flight from ancient legends through the Persian Gulf War and beyond. Additionally, the role of the military throughout the history of the United States is identified.

Course Codes: 917008, 917009

### Air Science 2A-2B Science of Flight -AFJROTC

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2505

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**Prerequisite:** Air Science 1A-1B

The purpose of this second year course is to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a discussion of the atmosphere and the weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, and the effects of wind. The portion on the Human Requirements of Flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration, and protective equipment.

Course Codes: 917010, 917011

### Air Science 3A-3B Space Exploration C

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2505

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**Prerequisite:** Air Science 2A-2B

The purpose of the this third year course is to examine our Earth, the Moon and the planets, the latest advance in space technology, and continuing challenges of space and manned spaceflight. Issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, space probes, guidance and control systems are explained. The manned spaceflight section covers major milestones in the endeavor to land on the Moon, and to the development of space stations, the Space Shuttle and its future, and international laws for the use of travel in space.

Course Codes: 919163, 919164

### Air Science 4A-4B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2505

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**Prerequisite:** Air Science 3A-3B

The fourth year curriculum is unique from the others. The senior aerospace science instructors may choose which option they would like to incorporate for that year. The option includes the management of the cadet corps allowing the cadets to manage the entire corps during the fourth year. This hands-on experience affords the cadet the opportunity to put theories of previous leadership coursed into practice.

Course Codes: 919165, 919166

## AVID

**AVID 10**

**Grades:** 10      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 6023

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**Prerequisite:** Instructor approval and enrollment in University of California a-g course sequence

This course is an elective course in which students are tutored in all academic areas by college students both individually and in small groups. Advancement Via Individual Determination (A.V.I.D.) teaching methods and materials are used. Students are helped to see themselves as potential college students and helped to master the skills necessary to meet all requirements for admission to college.

Course Codes: 919013, 919013Z, 919014, 919014Z

**AVID 11**

**Grades:** 11      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 6023

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**Prerequisite:** Instructor approval and enrollment in University of California a-g course sequence

This course is an elective course in which students are tutored in all academic areas by college students both individually and in small groups. Advancement Via Individual Determination (A.V.I.D.) teaching methods and materials are used. Students are helped to see themselves as potential college students and helped to master the skills necessary to meet all requirements for admission to college.

Course Codes: 919015, 919015Z, 919016, 919016Z

**AVID 12**

**Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 6023

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**Prerequisite:** Instructor approval and enrollment in University of California a-g course sequence

This course is an elective course in which students are tutored in all academic areas by college students both individually and in small groups. Advancement Via Individual Determination (A.V.I.D.) teaching methods and materials are used. Students are helped to see themselves as potential college students and helped to master the skills necessary to meet all requirements for admission to college.

Course Codes: 919017, 919017Z, 919018, 919018Z

**AVID 9**

**Grades:** 9      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 6023

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**Prerequisite:** Instructor approval and enrollment in University of California a-g course sequence

This course is an elective course in which students are tutored in all academic areas by college students both individually and in small groups. Advancement Via Individual Determination (A.V.I.D.) teaching methods and materials are used. Students are helped to see themselves as potential college students and helped to master the skills necessary to meet all requirements for admission to college.

Course Codes: 919011, 919011Z, 919012, 919012Z

### **AVID Senior Seminar 4A-4B**

**Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** G      **CBEDS Code:** 6023

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**Prerequisite:** Previous enrollment in AVID lower-level courses for three years. Enrollment in at least one Honors, Advanced Placement, or International Baccalaureate course.

The AVID Senior Seminar is the culmination of a student's years in the AVID program, and the course involves substantial critical reading and writing, preparation to external exams, such as Advanced Placement and International Baccalaureate, and weekly Socratic seminars. Students enrolled in the Senior Seminar are required to complete weekly timed writings and analytical discourses in subjects across the curriculum. In addition, students are required to make oral presentations to the class on topics related to college entrance, contemporary issues, and social concerns. As with all AVID courses, the Senior Seminar features tutors-college students who lead discussions and analysis of the academic subjects in which the students are enrolled. Senior Seminar students, working with the tutors, are expected to participate in and eventually act as moderators in Socratic Seminars. These discussions move beyond didactic instruction and assist students in gaining multiple perspectives on texts, supporting arguments with clear reasoning and evidence, and developing their critical thinking skills to the degree necessary for success in college.

Course Codes: 919019, 919019Z, 919020, 919020Z

### **AVID Tutor**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 6023

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**Prerequisite:** Teacher/ AVID Coordinator Approval

This course is an elective course in which students are tutored in all academic areas by college students both individually and in small groups. Advancement Via Individual Determination (A.V.I.D.) teaching methods and materials are used. Students are helped to see themselves as potential college students and helped to master the skills necessary to meet all requirements for admission to college.

Notes: This course was designed to support the Advancement Via Individual Determination (AVID) curriculum.

Course Codes: 919021, 919021Z, 919022, 919022Z

## **Career Technical Education (CTE)/Regional Occupational Program**

### **Animal Health Occupations**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4020

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**Prerequisite:** None

This course provides training for Front Office (Receptionist) and/or Back Office (Assistant) positions in Veterinary Hospitals. Front Office training includes terminology, telephone techniques, scheduling appointments, record maintenance, client relations and basic pharmacy. Back Office training includes terminology, handling and restraint, anatomy, pharmacology, diseases and radiology. Integrated throughout the course are career preparation standards, which include communication, interpersonal skills, problem solving, safety, technology and other employment skills. The course is competency-based. All students complete 180 hours of classroom instruction. Students wishing advanced training may practice job-specific skills in small veterinary hospitals in both unpaid and paid positions for up to 260 hours. Classroom activities also include participation for the care and well being of a variety of different species.

Notes: This course may be taken for 5, 10, or 15 credits.

Course Codes: 919344OCV, 919344OCX, 919344OCY



## Banking and Financial Services

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4602

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**Prerequisite:** Good consumer math skills

Jobs in banking and financial institutions are changing rapidly due to the new products and services made possible by technology. This course places emphasis on improving communication, customer service and selling skills. Classroom instruction includes using financial terms, opening accounts, handling money, processing deposits, withdrawals and loan payments, cashing checks, calculating interest, and use of basic accounting procedures. After basic skills instruction in a classroom setting, students will be assigned to a bank, escrow company, loan/billing department, finance company, credit union or other financial institution or office in the community to develop skills required for employment.

Notes: This course may be taken for 5, 10, or 15 credits.

Course Codes: 919384OCV, 919384OCX, 919384OCY

## Career Transitions

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4198

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**Prerequisite:** None

This competency-based course introduces students to retail and service occupations and stresses an understanding of the relationship between academic skills and job skills. Included throughout the course are career preparation standards, which include communication, interpersonal skills, problem solving, safety, technology, and other employment skills.

Course Codes: 919390OCV, 919390OCX, 919390OCY

## Child Care Occupations

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4321

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**Prerequisite:** None

This course prepares students for employment as pre-school teacher aides, child care aides or recreation leaders. Students will learn how to work with preschool and elementary school-age children and utilize principles of child growth and development, positive discipline, and management techniques; also included: child care laws and regulations, nutrition, safety and age-appropriate lesson planning. Prior to placement at a worksite for training the student must have TB clearance, complete CPR training, and be fingerprinted if over 18 years of age. Work site training is a requirement of this course; students will plan and present learning activities for children at local child care facilities or public schools. This certificate also meets the requirements for entry employment as a preschool teacher in private programs; after becoming employed, additional course work must be completed. This course also qualifies for credit with some local community colleges.

Notes: This course may be taken for 5, 10, or 15 credits.

Course Codes: 919415OCV, 919415OCX, 919415OCY

### **CIS-Office Occupations**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4613

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**Prerequisite:** Keyboarding

This course will enable students to develop the skills necessary for employment in a modern office environment. In addition to word processing, students will have the opportunity to learn other microcomputer operations including spreadsheets and databases. This course will include software programs such as Excel, PowerPoint, and Access.

Notes: This course may be taken for 5, 10, or 15 credits.

Course Codes: 919313OCV, 919313OCX, 919313OCY

### **Computer Information Systems-Advances**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4615

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**Prerequisite:** CIS Business Computers A-B

This course offers advanced hands-on experience in a computer lab setting. Includes a review of the operating system data base management, word processing, financial spreadsheets, graphics and specialized business applications. Students will use the Windows environment and have an opportunity to learn various popular software programs such as Word, Excel, Access, and PowerPoint.

Notes: This course may be taken for 5 or 10 credits.

Course Codes: 919314OCV, 919314OCX, 919314OCY

### **Computer Information Systems-Business**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4615

---

**Prerequisite:** None

This course offers hands-on experience in a computer lab setting. Includes a review of the operating system data base management, word processing, financial spreadsheets, graphics and specialized business applications. Students will use the Windows environment and have an opportunity to learn various popular software programs such as Word, Excel, Access, and PowerPoint.

Notes: This course may be taken for 5 or 10 credits.

Course Codes: 919309OCV, 919309OCX, 919309OCY, 919309V, 919309X, 919309Y, 919310OCV, 919310OCX, 919310OCY, 919310V, 919310X, 919310Y

### **Construction Technology 1A-1B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5950

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**Prerequisite:** None

This course introduces the students to the construction industry. A major part of the training time will be spent in practical application of the theory by doing actual construction jobs. Framing, room layout, drywall, door and window installation, plumbing, electrical, and blueprint reading are some of the activities. Program may include building a home in a local residential area.

Notes: This course may be taken for 5 or 10 credits per semester.

Course Codes: 919400OCV, 919400OCX, 919400OCY, 919400V, 919400X, 919400Y, 919401OCV, 919401OCX, 919401OCY, 919401V, 919401X, 919401Y

## Construction Technology 2A-2B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5950

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**Prerequisite:** Construction Technology 1A-1B

This course prepares the student with entry-level skills in the construction industry. A major part of the training time will be spent in practical application of the theory by doing actual construction jobs. Framing, room layout, drywall, door and window installation, plumbing, electrical, and blueprint reading are some of the activities. Program may include building a home in a local residential area.

Notes: This course may be taken for 5 or 10 credits per semester.

Course Codes: 919402OCV, 919402OCX, 919402OCY, 919402V, 919402X, 919402Y, 919403OCV, 919403OCX, 919403OCY, 919403V, 919403X, 919403Y

## Dental Assisting

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4249

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**Prerequisite:** None

This course is designed to prepare students for employment as chair-side dental assistant and dental receptionist. In a dental clinic environment, the student will learn both theory and practical aspects of dental assisting. Students who qualify will be permitted to enhance skills learned in the class-room at community sites.

Notes: This course may be taken for 5, 10, or 15 credits.

Course Codes: 919333OCV, 919333OCX, 919333OCY

## Dental X-Ray Technician

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4234

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**Prerequisite:** Must have completed 10 units of math and 10 units of life science (or equivalent) with a grade average of "C" or better. Must have Hepatitis B vaccination series and TB clearance.

This course provides classroom and clinical instruction in dental radiology, occupational safety and sterilization. Instruction includes safety, infection control, sterilization, disinfecting procedures, biochemical waste, exposing intraoral radiographs, film processing and mounting with an emphasis on state requirements.

Notes: This course may be taken for 5 or 10 credits.

Course Codes: 919334OCV, 919334OCX, 919334OCY

## Dentrix

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4234

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**Prerequisite:** None

This course is designed to prepare students for entry-level employment as a clerical assistant to a dentist. The student will learn telephone techniques, record management, pegboard bookkeeping, billing of patients, appointments, recall systems, inventory control, charting oral conditions, and maintaining financial records. The student will also learn secretarial tasks such as typing letters and filing. Various computerized record systems will be utilized.

Notes: This course may be taken for 5, 10, or 15 credits.

Course Codes: 919335OCV, 919335OCX, 919335OCY

### Digital Imaging

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5622

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**Prerequisite:** None

Instruction covers computer graphic design, effective use of text and images, layout, and composition. Students will prepare a variety of projects incorporating digital imaging, photo imaging, photo editing, special effects, color correction, and image preparation for publication in print and on the web.

Notes: This course may be taken for 5, 10, or 15 credits.

Course Codes: 919307OCV, 919307OCX, 919307OCY, 919307V, 919307X, 919307Y, 919308OCV, 919308OCX, 919308OCY, 919308V, 919308X, 919308Y

### Fire Service Occupations

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5833

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**Prerequisite:** None

This course is designed to train students in fire fighting skills including map reading, fire science techniques of fire prevention, fire fighting tactics, arson detection, first aid and rescue procedures, radio and verbal communication, and the use and care of fire fighting tools and equipment. The majority of training will be provided in laboratory and field operations.

Course Codes: 919353OCV, 919353OCX, 919353OCY, 919353V, 919353X, 919353Y, 919354OCV, 919354OCX, 919354OCY, 919354V, 919354X, 919354Y

### Floral Design

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4104

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**Prerequisite:** None

Learn how to design floral arrangements for all occasions. Students will learn plant and flower identification, specialty displays, floral equipment and business techniques such as floral sales, customer service and merchandising.

Notes: This course may be taken for 5 or 10 credits.

Course Codes: 919411OCV, 919411OCX, 919411OCY

### Law Enforcement

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 5847

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**Prerequisite:** None

This course is designed to train a student for entry-level positions in private security or public law enforcement agencies. Instruction includes history and philosophy of law enforcement, ethical practices, theories of crime and punishment, professionalism, report writing, interpretation of radio and penal codes, search and seizure techniques, gang awareness, patrol tactics and techniques, and legal and moral aspects. This course will also prepare students for further law enforcement training at the community college and/or police.

Notes: This course may be taken for 5 or 10 credits.

Course Codes: 919355OCV, 919355OCX, 919355OCY, 919355V, 919355X, 919355Y, 919356OCV, 919356OCX, 919356OCY, 919356V, 919356X, 919356Y

### Medical Assisting - Clinical

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4275

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**Prerequisite:** Must be 18 years of age by the beginning of second semester, have completed 10 units of math and 10 units of life science.

This course will prepare students for employment as a medical assistant to assist the doctor in an office, clinic, or health care center. Topics include communication skills, ethics, confidentiality, anatomy, vital signs, assisting with exams, pharmacology and administration of medications including injections, venipuncture, medical terminology, metrics, EKG, and advanced charting. Students who qualify will be permitted to enhance skills learned in the classroom at community sites. Enrollment is only available at the beginning of the Fall semester.

Notes: This course may be taken for 5, 10, or 15 credits. Must have parent consent form on file. Hepatitis B vaccination series is recommended and TB clearance is required.

Course Codes: 919338OCV, 919338OCX, 919338OCY

### Medical Assisting - Front Office

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4275

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**Prerequisite:** Must have completed 10 units of math and 10 units of life science.

This course is designed to prepare students for entry-level employment in the medical field as a clerical assistant to a physician. The student will learn basic medical terminology, appointment control, telephone techniques, patient interaction, billing of patients, medical insurance claims coding and processing, handling mail and maintaining financial records. The students will also learn secretarial tasks such as typing letters and filing.

Notes: This course may be taken for 5, 10, or 15 credits.

Course Codes: 919339OCV, 919339OCX, 919339OCY

### Medical Billing and Coding

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4274

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**Prerequisite:** None

This course prepares students to work in a medical facility, billing service, or the potential of starting their own billing service. The course covers medical terminology, human anatomy, preparation of claims for reimbursement, electronic and manual claim submission for various types of health insurance.

Notes: This course may be taken for 5, 10, or 15 credits.

Course Codes: 919340OCV, 919340OCX, 919340OCY

### **Nurse Assistant**

**Grades:** 12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4279

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**Prerequisite:** Must have completed 10 units of math and 10 units of life science.

This course prepares students to take the required State Competency exam for CNA certification (Certified Nurse Assistant). Students will learn anatomy, physiology, medical/surgical asepsis, vital signs, emergency and safety procedures, patient care, observation and communication skills, with emphasis on caring for the geriatric patient in an extended-care facility. Basic knowledge and skills must be acquired and demonstrated in the classroom and/or laboratory before student is allowed to progress to the clinical setting. Worksite training is a requirement of this course. Criminal clearance/ fingerprint is required.

Notes: This course may be taken for 5, 10, or 15 credits.

Must have parent consent form on file. Hepatitis B vaccination series is recommended and TB clearance is required.

Course Codes: 919342OCV, 919342OCX, 919342OCY

### **Restaurant Occupations**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4420

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**Prerequisite:** None

This course is designed to prepare students for entry-level employment in the food industry. In an operational campus-based restaurant students will learn the proper use of kitchen tools, equipment, portion control, how to measure items, plan menus and figure costs, sanitation and safety, personal hygiene, job search and interpersonal skills' attitudes necessary to secure and maintain a job. Students who qualify will be permitted to enhance skills learned in community training sites.

Notes: This course may be taken for 5 or 10 credits.

Course Codes: 919373OCV, 919373OCX, 919373OCY

### **Retail Fashion Merchandising**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4410

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**Prerequisite:** None

Students have the opportunity to learn the skills necessary for employment in fashion sales and coordination, cosmetic merchandising, apparel and accessory sales, visual display. Customer relations, buying, the sales process, color and current fashion trends are included in the curriculum. The student's training program may be directed to meet his/her individual needs and interests depending upon community training sites. Training sites may include department stores, apparel and specialty shops.

Notes: This course may be taken for 5 or 10 credits.

Course Codes: 919381OCV, 919381OCX, 919381OCY, 919381V, 919381X, 919381Y, 919382OCV, 919382OCX, 919382OCY, 919382V, 919382X, 919382Y

### Retail Sales/Marketing

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4107

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**Prerequisite:** None

This course provides experience and skills needed to obtain employment in a variety of retail stores and in the fashion industry. Classroom instruction includes cash register operation, salesmanship, customer service, visual merchandising, store security and loss prevention, merchandising, stocking and receiving, personal development, and job search. Training programs may be directed to meet students' individual needs and interests, depending upon community training sites available. Training sites may include department stores, food and drug stores, specialty stores and on-campus student stores.

Notes: This course may be taken for 5 or 10 credits.

Course Codes: 919379OCV, 919379OCX, 919379OCY, 919379V, 919379X, 919379Y, 919380OCV, 919380OCX, 919380OCY, 919380V, 919380X, 919380Y

### Sports Therapy and Fitness

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4284

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**Prerequisite:** None

This course will prepare students for jobs such as fitness/exercise assistant, physical therapy aide, or athletic trainer assistant. Students will learn anatomy and physiology, body mechanics, vital signs, first aid, nutrition, exercise physiology, injury care and maintenance, patient interaction skills and use of equipment and techniques to aid patients in rehabilitation. Subject to an acceptable interview with a cooperating employer, students will train at a community location such as hospitals, clinics, sports/fitness facilities and convalescent care to practice and develop skills learned in the classroom.

Course Codes: 919331OCV, 919331OCX, 919331OCY, 919331P7V, 919331P7X, 919331P7Y, 919331V, 919331X, 919331Y, 919332OCV, 919332OCX, 919332OCY, 919332P7V, 919332P7X, 919332P7Y, 919332V, 919332X, 919332Y

### Television/Video Production

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** F      **CBEDS Code:** 5716

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**Prerequisite:** None

This course is designed to allow students the opportunity to learn and explore the industry of television production and video camera usage. The program focuses on basis knowledge and competencies of video productions. The program will have various lab activities and culminating activities that will link their experiences to a real life experience.

Notes: This course may be taken for 5 or 10 credits.

Course Codes: 919317OCV, 919317OCX, 919317OCY, 919317V, 919317X, 919317Y, 919324V, 919324X, 919324Y

## College Course

### College Course

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** XXXX

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**Prerequisite:** None

This course provides students with the opportunity to take a college course in the 11th and 12th grade and receive high school elective credit. Students interested in this option should see their high school counselor for further information.

Course Codes: 919071, 919072

## Elements of Journalism

### Elements of Journalism 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** G      **CBEDS Code:** 2111

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**Prerequisite:** None

This introductory course develops writing skills and prepares students to work on school publications and media staffs including newspaper, yearbook, literary magazine, and television production. Students will develop news, sports, feature, and editorial writing skills. Emphasis is also given to interviewing, advertising, copy-reading and proofreading, headline writing, caption writing, layout and design. The student will also learn about First Amendment rights and responsibilities, journalism law and history. This course includes a study of modern newspapers, the history of journalism in the United States, newspaper organization, analysis of news, the effects of propaganda, and news gathering and writing. In the second semester, students focus upon a study of the physical makeup of a newspaper and the production of a cub edition.

Course Codes: 919081, 919082

## EXCEL

### Excel

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 6001

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**Prerequisite:** None

This course is designed to aid 9th through 12th graders to be successful in high school through the development of study skills, an orientation to school resources, and the development of "life skills" which include: academic planning, goal-setting, problem-solving skills, self-awareness, career exploration, communication, interpersonal skills, and a hands-on class with many varieties of experiences and guest speakers. This course is also designed to improve collaborative problem solving and individual writing skills. Students will be focused on performance outcomes. Time management skills are emphasized. Maintenance of a three-ring binder notebook for assignments and class notes for all courses in which students are currently enrolled is required. This course may be repeated for duplicate credit.

Course Codes: 909194, 919194, 919194S, 959194, 969194

## Intermediate Journalism

### Intermediate Journalism 2A-2B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2111

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**Prerequisite:** Elements of Journalism 1A-1B or teacher recommendation

This elective course, the prerequisite for Advanced Journalism, is open to high school students with superior writing skills who wish to demonstrate their ability to produce the campus newspaper. This course is a writing oriented class with emphasis on precise, concrete, accurate and factual prose. The focus will be reporting information about and for the school community. Students demonstrate their skills in the art of newspaper writing and production: news, sports, feature, editorial, and review writing; proof reading, editing, reporting, interviewing, typing in word processing and layout software, and layout design. Students also demonstrate their ability to write well under pressure, gather information independently and organize it cooperatively, and work effectively with their peers. Through extensive rewriting, students exhibit mastery in all of these skills. This course will also include the mechanics (ad layouts, cartooning, photography, graphics) of newspaper and magazine production.

Course Codes: 919083, 919084



## Leadership

### Leadership

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2719

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**Prerequisite:** Election or appointment to an ASB or class office or instructor approval

This course emphasizes transacting business, managing finances, planning activities, formulating regulations, and governing the affairs of ASB. Students are taught various leadership skills and basic parliamentary procedures. These skills are practiced through participation in the planning and governing of the ASB Activities Program. This course may be repeated for duplicate credit.

Course Codes: 919031, 919032

### Unity

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 6098

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**Prerequisite:**

UNITY is a class that assists in bringing individuals from different backgrounds and experiences together through understanding, not by judgment and/or discrimination, but by celebrating our differences.

UNITY encourages individuals to feel comfortable with their own backgrounds along with understanding the struggles and concerns of others.

We strive to show that no matter what you are going through, you are never alone. There are undeniable issues in our society that we wish not to solve, but to bring to the surface and raise awareness for. Hopefully, over time, we can change the flaws that exist in our community. It all starts with a little open-mindedness and willingness to recognize our weaknesses and address them face to face. Every person is entitled to dignity and respect, regardless of their social standing, race, background, gender, age or sexual orientation. UNITY represents this statement, and it is our goal to bring it to the attention of others.

Notes: This course requires that students keep grades at a 2.0 minimum, are willing to miss class a few times a semester, can commit to spending some time outside of school to get things done and are responsible.

Course Codes: 919023

## Naval Science

### Naval Science 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2505

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**Prerequisite:** None

The purpose of this course is to provide a sound understanding of Military Drill and Ceremonies, uniform regulations, and physical fitness. This course defines the importance of attention to detail and of maintaining physical and mental well being. Students learn the Core Values of HONOR, COURAGE, and COMMITMENT, habits of precision, self-confidence, and basic leadership. This one-year course meets Physical Education or elective credit.

Course Codes: 917041, 917042

### Naval Science 2A -2B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2505

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**Prerequisite:** Naval Science 1A-1B

The purpose of this course is to engender a sound appreciation for the heritage and traditions of America, with recognition that the historically significant role of sea power will be important in America's future. This course is designed to develop in each student a growing sense of pride in his/her organization, associates and self. These elements are pursued at a fundamental level. This course meets the high school Physical Education graduation requirement.

Course Codes: 917043, 917044, 919167, 919168

### Naval Science 3A-3B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2505

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**Prerequisite:** Naval Science 2A-2B

The purpose of this course is to further develop the understanding and importance of sea power and national security, naval operations and support functions, military law, international law and the sea. This one-year course meets Physical Education or elective credit.

Course Codes: 919169, 919170

### Naval Science 4A-4B

**Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2505

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**Prerequisite:** Naval Science 3A-3B

The purpose of this course is to develop an understanding of the fundamentals of leadership, group dynamics, human motivation, the NJROTC Program, and the cadets' role in unit and platoon management. This one-year course meets Physical Education or elective credit.

Course Codes: 919171, 919172

## Peer Counseling

### Peer Counseling 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2536

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**Prerequisite:** Instructor approval and parent permission letter

This course is divided into two major training areas which include the learning of peer counseling skills and the discussion of teen issues. The first part covers communication, decision-making, and counseling skills. Clarification of issues and applied skills are the focus of the second part of the course. The students are led into an examination of their values in the areas of adolescent stress, chemical dependency, death, depression, family, loss, peer pressure, school-related issues, sexuality and suicide. Special expectations for this course include a parent permission letter and a student code of conduct signed by the student and a parent.

Course Codes: 919035, 919036

### Peer Counseling 2A-2B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2536

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**Prerequisite:** Successful completion of Peer Counseling 1A-1B, instructor approval and parent permission letter

This course provides students with the opportunity to apply the skills acquired in Peer Counseling 1A-1B. Students will assist other students through conflict mediation and peer counseling sessions. Students will be expected to research and give presentations on teen issues for appropriate classes and community forums. In addition, there will be opportunities for career exploration and community service. Students must be committed to a student code of ethics. This course may be repeated for duplicate credit.

Course Codes: 919037, 919038

## School Service

### School Service

**Grades:** 11-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 6098

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**Prerequisite:** None

This course is designed for students interested in learning about general office work and procedures. Students enrolled in this course will gain experience in handling and filing documents, communicating and delivering messages, and practicing proper phone etiquette. Emphasis will be placed on developing the attitudes and behaviors necessary to work successfully in an office situation. They include proper grooming and appearance, cooperation, and responsibility.

This course may be repeated for duplicate credit for a maximum of no more than ten (10) units.

Course Codes: 919043, 919043AD, 919043Ath, 919043Att, 919043CC, 919043Cou, 919043Lib, 919043LSS, 919043MO, 919043Reg, 919043SS, 919043TP, 919043Txt, 919043USS, 919044, 919044AD, 919044Ath, 919044Att, 919044CC, 919044Cou, 919044Lib, 919044LSS, 919044MO, 919044Reg, 919044SS, 919044TP, 919044Txt, 919044USS

## Success for High School

### Success for High School

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 6098

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**Prerequisite:** None

This course is designed to aid students to be successful in high school by: development of study skills; an orientation to school resources; and development of "life skills;" academic exploration; communication and interpersonal skills. It is a hands-on class with many varieties of experiences and guest speakers. Time management skills are also emphasized.

Course Codes: 909192, 919192F, 919192FA, 919192FB, 919192S, 919192UA, 919192UB, 919192W, 919193F, 919193S, 959192

## Tall Flag Performance Team

### Tall Flag Performance Team

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2358

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**Prerequisite:** By audition

This course is for students interested in creating, producing, and performing precision indoor routines which rely heavily on dance and include aspects of music and dramatic performance. Students will perform routines using flags, hoops, and streamers. Theatrical sets, backdrops, make-up and hair design are important features of the performance. Students will evaluate their performance through use of videotapes and reviewing techniques. This course may be repeated for duplicate credit.

Course Codes: 919161

## Teen Parenting

### Child Care Lab

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 4321

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**Prerequisite:** Must be a teen parent or a prospective teen parent; must have parent/guardian and administrative approval; and submit proof of negative TB skin test

This course provides students practical learning experiences in the care and development of infants in a lab setting. Hands-on learning activities will be provided which will enable the students to become more competent and confident as parents. Additional instruction focuses on the social, emotional, physical, and cognitive development needs of the child. This course may be repeated for duplicate credit.

Course Codes: 919119, 919120

### Teen Parenting 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4321

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**Prerequisite:** Must be a teen parent or a prospective teen parent; must have parent/guardian and administrative approval; and submit proof of negative TB skin test

This course provides the perspective teen parent with information and skills that will help them adjust to their situation and make wise choices concerning their pregnancy. The course will include: instruction on heredity; environment; prenatal development; prenatal health hazards; prenatal care; preparation for childbirth; labor; birth; and the needs of the mother and newborn infant. The essential learnings in each of these areas will help the student become more confident and prepared thereby benefiting both the parent and the developing fetus.

Course Codes: 919123, 919124

### Teen Parenting 2A-2B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4321

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**Prerequisite:** Teen Parenting 1A-1B or instructor approval; must have parent/guardian and administrative approval; and submit proof of negative TB skin test

This course includes the study of the following areas: adoption as an option; three generation living; relationships; parenting roles; childhood illnesses; family planning; choosing caregivers; and community resources. Identification of different forms of abuse, prevention, and intervention will be emphasized.

Course Codes: 919125, 919126

## **Physical Education Department**

### **Advanced Physical Education/Athletics**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2512

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**Prerequisite:** Instructor approval

This course is specifically designed for students involved in interscholastic athletics. Individual and team achievement provide the focus of instruction. Opportunities for individual skill development are presented in the context of team goals. This course may be repeated for duplicate credit.

Course Codes: 917004, 917005, 917006, 917007, 917012, 917013, 917014, 917015, 917016, 917017, 917018, 917019, 917020, 917021, 917024, 917025, 917026, 917027, 917028, 917029, 917030, 917031, 917032, 917033, 917034, 917035, 917049, 917050, 917051, 917052, 917053, 917054, 917055, 917056, 917057, 917058, 917059, 917060, 917061, 917062, 917063, 917064, 917065, 917066, 917067, 917068, 917069, 917070, 917071, 917072, 917073, 917074, 917075, 917076

### **Dance Performance A-B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2355

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**Prerequisite:** Instructor approval

This course will provide students with an overview of dance. Units will be taught in Ballet, Modern Dance, Jazz Dance, Ethnic Dance, dance improvisation, choreography, dance production, and dance history. This one-year course will be offered for either Fine Arts or Physical Education graduation credit and may be repeated at the intermediate and/or advanced levels for credit.

Notes: Students must agree before registration to a commitment of additional hours outside of class time. Students will perform at various events throughout the year, but their main performance will be an annual Spring Dance Concert. This course may be repeated for duplicate credit.

Course Codes: 915301, 915301P7, 915302, 915302P7, 915425, 915426, 917022, 917022P7, 917023, 917023P7, 919181S

### **Introductory Physical Education**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2514

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**Prerequisite:** None

This course is a beginning course in physical education at the high school level. It is a required course for all students except those enrolled in Advanced Physical Education/Athletics.

The curriculum emphasizes the development of body and mind. Cooperation and sportsmanship are stressed in activities. Individual and team games provide the avenue for skill development. Game rules and basic strategies are presented to encourage students to improve individual and team performance.

Course Codes: 917000F, 977000FLS, 977001FLS

## Marching Band/Physical Education

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2512

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**Prerequisite:** None - Offered fall semester only

This course is designed to provide instruction for all marching units, including band, tall flags, drill team, and color guard with an emphasis on the fitness of the body and the mind. Cooperation and teamwork are stressed in all performances and activities.

During the fall semester, precision drills and marching routines are covered with special emphasis on half-time and parade routines. This class is intended to include all members of the marching band program and marching groups.

Rehearsals and performances outside the regular school day are scheduled. This course may be repeated for a total of 20 credits and can be used to fulfill the high school Physical Education requirement for graduation. This course may be repeated for duplicate credit.

Notes: This course may be repeated for a total of 20 credits.

Course Codes: 917038

## Modified Physical Education

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2516

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**Prerequisite:** None

This course is designed for individuals with exceptional needs, who are precluded from participation in some or all activities of the regular Physical Education programs, due to a variety of physical conditions or other health impairments.

Following is a list of some, but not limited to, conditions that might qualify an individual with exceptional needs for the Modified Physical Education program.

Respiratory Conditions - Asthma  
Orthopedic Conditions - Limited C.P. - mild or moderate - clubfoot  
Overweight (Obesity)  
Underweight  
Cardiac Condition - Rheumatic Fever  
Postural Difficulties - Scoliosis  
Diabetes  
Epilepsy  
Deafness  
Visual Limitation  
Behavioral Disorders - Hyperactivity, Impulsiveness, Catastrophic Reaction  
Low score on physical performance (below 30 percentile)  
" Poor physical efficiency  
" Poor basic motor control  
" Poor basic motor skill patterns

The class is conducted by a regular Physical Education teacher with ongoing consultation with an Adapted Physical Education specialist. This course may be repeated for duplicate credit.

" Poor basic play and skill activities

Course Codes: 917039, 917040

### Off-Campus Independent PE

**Grades:** 09-12      **Duration:**      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2512

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**Prerequisite:** All the conditions and guidelines of Off-Campus Independent Physical Educaiton must be met before enrollment in this course.

This course is designed for students who have developed a special interest and/or talent in area of physical education outside the regular school program. Students enrolling in this course must be classified as a competitor at the State, National or Junior National level in their special area of interest and/or talent and must follow specific district guidelines and procedures.

Course Codes: 917045, 917046

### Off-Campus Independent Physical Educn

**Grades:** 9-10      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2512

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**Prerequisite:** All the conditions and guidelines of Off Campus Independent Physical Education must be met before enrollment in this course

This course is designed for students who have developed a special interest and/or talent in area of physical education outside the regular school program. Students enrolling in this course must be classified as a competitor at the State, National or Junior National level in their special area of interest and/or talent and must follow specific district guidelines and procedures. This course may be repeated for duplicate credit

Course Codes: 917036, 917037

### Physical Education

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2514

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**Prerequisite:** Introductory Physical Education

This course emphasizes physical activities which are conducive to health and vigor of body and mind. Activities are organized to help the student gain and maintain maximum physical fitness and to acquire and/or maintain skills which are applicable to sports and recreational activities.

The course enables students to increase their knowledge of sports. It develops their skills and stresses strategies in these sports. Students receive instruction relating to health, safety, and accepted social behavior.

Students will select team or individual sports/activities to accomplish course goals. This course may be repeated for duplicate credit.

Course Codes: 907002, 907002SS1, 907002SS2, 907003, 917002, 917002L, 917002W, 917002Y, 917002Z, 917003, 917003W, 917003Y, 917003Z, 977002LS, 977003LS



## Physical Education for Lifetime Act

**Grades:** 11-12

**Duration:** Semester

**Credits:** 5 Credits

**UC/CSU:** None

**CBEDS Code:** 2512

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**Prerequisite:** Introductory Physical Education

This course emphasizes physical activities that promote a lifetime of physical, mental, and social wellness. Activities are organized to help the students participate in and gain the knowledge needed to develop a lifetime of physical recreation and fitness and will focus primarily on individual, duo, and small team activities

Students will be exposed to different factors and considerations including the needs of contemporary society, the interests of the learner, health needs, sports skills, stress diversion, personality and attitudes, financial considerations, availability of facilities and environmental considerations. Activities chosen will show students how to be motivated and self-directed participators for life. This course may be repeated for duplicate credit.

Course Codes: 917047, 917048

## **Science Department**

### **AG BIOLOGY 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 4073

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**Prerequisite:** None

This course is a laboratory science course for the college-bound student. The course emphasizes detailed knowledge of the central concepts, principles, and basic factual material of the following topics: introductory biology; organisms and their environment; plant classifications; plant cells; plant physiology, reproduction and growth; plant pathogens and diseases; and soils as the chemical foundation for Agricultural Biology. The Future Farmers of America Organization and the requirements of the Supervised Occupational Experience Project will be covered.

Course Codes: 914001AG, 914002AG

### **ANATOMY & PHYSIOLOGY 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2655

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**Prerequisite:** None

This course in the life sciences is designed to prepare students for the college study of biology. The course focuses on cell physiology, tissue structure and function, human organ systems, health issues, and a survey of technological advancements in the field of medicine. Laboratory activities center around vertebrate dissections.

Course Codes: 914009, 914010

### **AP Biology 1A-1B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2670

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**Prerequisite:** Consultation with current science teacher

This course in the life sciences is designed to conform to the standards of the Advanced Placement Program. The course includes thorough treatment of biochemistry, cytology, biological diversity, organismal biology, and population ecology. The curriculum is designed to prepare the student for a rigorous exam which may result in the awarding of college credit.

Notes: Dissection may be a part of this course. Students may select an alternative assignment in lieu of actual dissection of an organism.

Course Codes: 934001, 934002

### **AP CHEMISTRY A-B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2671

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**Prerequisite:** None

This course is designed to meet all of the requirements of the Advanced Placement Program. The course will cover atomic structure and the interactions of combining atoms. Also covered will be the areas of stoichiometry, equation balancing, problem solving, the states of matter, oxidation-reduction reactions, periodicity of the elements, bonding, basic organic chemistry, and environmental chemistry and its impact on the ecology. The curriculum is designed to prepare the student for a rigorous exam which may result in the awarding of college credit.

Course Codes: 934507, 934508

**AP ENV SCIENCE 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2674

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**Prerequisite:** None

In this course topics will include global environmental modeling, the cycling of matter and energy, human population dynamics, renewable and nonrenewable resources, environmental quality, and global policies regarding the environment.

Course Codes: 934520, 934520IB, 934521, 934521IB

**AP Environmental Science 1A-1B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2674

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**Prerequisite:** Successful completion of Biology 1A-1B and consultation with current science teacher

In this course topics will include global environmental modeling, the cycling of matter and energy, human population dynamics, renewable and nonrenewable resources, environmental quality, and global policies regarding the environment.

Course Codes: 934011, 934012

**AP PHYSICS 1**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2614

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**Prerequisite:** Completed or concurrent enrollment in Algebra 2. Geometry. No prior classes in physics are required

AP Physics 1 is based on the College Board's Advanced Placement Standards. It is an algebra-based, college level introductory physics class. It covers Newtonian mechanics, work and energy, momentum, mechanical waves and sound, and simple circuits. 25% of the instructional time is spent on hand-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

Course Codes: 934509, 934510

**AP Physics 2**

**Grades:** 11-12      **Duration:** Semester      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2672

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**Prerequisite:** "C" or better in Pre-Calculus and consultation with current science teacher

This course is a second year physics course. It includes topics in vector analysis and equilibrium; Newton's laws of motion; work, power, and conservation of energy and momentum wave phenomena of sound, light and matter; the basics of optics, electricity and magnetism; and the modern theories of atomic and nuclear physics. Additionally, students will be introduced to problem formulation and laboratory analysis techniques necessary to succeed at the college level. The course is designed to prepare students to take the College Board AP Physics B examination.

Course Codes: 934511, 934512

## AP Physics C

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2673

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**Prerequisite:** "C" or better or concurrent enrollment in Calculus and consultation with current science teacher

This course will take students through a second year of physics and prepare them to take the AP Physics C examination. Students will investigate topics in kinematics, Newton's laws, work, energy, power, momentum, circular motion, oscillatory motion, electricity, and magnetism. Problem solving will emphasize the use of calculus. A "hands-on" lab approach will be incorporated to introduce students to laboratory techniques necessary to succeed at the collegiate level. Special projects are included to give students direction over their own study of physics.

Course Codes: 934513, 934514

## ASTRONOMY 1A-1B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2600

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**Prerequisite:** None

This course is a practical survey course in which students learn about ancient, classical, and modern astronomy and cosmology; construct their own simple instruments, and learn observational techniques using binoculars, telescopes, and the naked eye. The program of observation will include lunar phases and mapping; mapping the planets and charting their motions, star mapping and observation; and observing deep-sky objects such as galaxies and nebula. Classroom study will include early astronomy, orbits and gravitation, structure of the solar system and types of planets, satellites, rings, comets, meteors, and asteroids, structures and evolution of stars and galaxies, and cosmology.

Course Codes: 904505, 904505SS1, 904506, 904506SS1, 914505, 914505S, 914506, 914506S, 954505, 954506

## BIOLOGY 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2603

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**Prerequisite:** None

This course is a college preparatory course in biological science. Laboratory work is an integral part of this course. These activities are designed to reinforce subject area content. Topics covered include life functions, physiological mechanisms, cell biology, molecular biology, plant anatomy and physiology, taxonomy, invertebrate zoology, natural selection, and heredity. An emphasis is placed on the evaluation of scientific and technological advances in the area of biological science

Course Codes: 904001, 904001CR, 904001SS1, 904001SS2, 904002, 904002CR, 904002SS1, 904002SS2, 914001, 914001F, 914001PR, 914001S, 914001U, 914002, 914002F, 914002PR, 914002S, 914002U, 954001, 954002, 964001, 964001II, 964001SS1, 964002, 964002II, 964002SS1, 984001, 984002

**Biology 1A-1B Honors**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2604

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**Prerequisite:** Consultation with current science teacher

This course is a college preparatory course in biological science. Major topics include life functions, physiological mechanism, cell biology, molecular biology, classification, natural selection and evolution, heredity, ecology and human systems. An emphasis is placed on the evaluation of scientific technological advances in the area of biological science. Laboratory activities are designed to provide students with creative problem-solving experiences. Individual and group investigations in the library and in the laboratory stress the relationship between science, technology, the individual and society.

Course Codes: 924001, 924001SK, 924002, 924002SK

**CHEMISTRY 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2607

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**Prerequisite:** None

This course is a college preparatory course in physical science. Topics presented are the application of metric measurement, the properties of matter, families of chemical elements, chemical change, techniques employed in the mathematical manipulation of chemical data, and the role of chemicals in modern society. The importance of chemistry in other scientific fields of study is emphasized.

Course Codes: 914507, 914507FL, 914507PR, 914508, 914508FL, 914508PR

**Env Science 1A-1B**

**Grades:** 10-12      **Duration:**      **Credits:**      **UC/CSU:** None      **CBEDS Code:** 2621

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**Prerequisite:** Biology. 10th grade may take if in Earth Academy

The goal of this course is to provide students with the scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, and to evaluate the risks associated with these problems and examine alternative solutions for resolving and/or preventing them.

Course Codes: 914011, 914012

**EXPLORING AG SCIENCE 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4098

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**Prerequisite:** None

This course includes areas of study related to plants and animals. In addition, scientific study and labs are introduced related to agriculture, animals and plant science, and agriculture business. Student projects and career exploration along with the Future Farmers of America (FFA) is part of the curriculum. Specific topics include: agriscience in the information age; the 21st century and you; record books and basic accounting, animal science, (nutrition, health, genetics, management, and marketing), and food science and technology.

Course Codes: 914013, 914014

## **HORTICULTURE SCIENCE 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4051

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**Prerequisite:** None

This course will give the student basic knowledge in plant science, as well as the use of fertilizers, pesticides and irrigation. Specific units include: how plants grow; plant propagation; SOEP's; basic accounting, greenhouse and nursery crops; and the FFA. Hands-on approaches to learning this science are emphasized.

Course Codes: 914015, 914016

## **Life Science 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2621

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**Prerequisite:** None

This course is a one-year survey course in life science. The course covers topics in cell science; the chemistry of life, basic plant anatomy, physiology, and reproduction; vertebrate and invertebrate animals; human organ systems and health; principles of ecology and heredity; scientific measurement; and the relationship between science and technology. The major emphasis is on the application of biological concepts in the modern world.

Course Codes: 904000SS1, 904000SS2, 914000, 914000S

## **NATURAL SCI 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** G      **CBEDS Code:** 2610

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**Prerequisite:** None

This course is a college preparatory course with chemistry, physics, astronomy and oceanography components that align with District Science Standards. Laboratory work investigates core concepts in the physical science standards and is designed to reinforce subject area content. The physics component includes exploration of Newton's Laws, energy transfers, properties of wave motion and electric and magnetic phenomena. Major chemistry topics include periodic trends, bonding, conservation of mass and energy, nature of matter, properties of solutions, and atomic structure. The astronomy component addresses the structure, scale and change of the solar system, the Earth's atmosphere, optics, geology, and physical and chemical properties of rocks and minerals. Major oceanography topics include plate tectonics, role of the ocean in weather and climate, geochemical cycles, natural resources and natural hazards, and how life on Earth affects the atmosphere.

Course Codes: 904501, 904501CR, 904501CR1, 904501CR2, 904501SS1, 904501SS2, 904502, 904502CR, 904502CR1, 904502CR2, 904502SS1, 904502SS2, 914501, 914501F, 914501S, 914501U, 914502, 914502F, 914502S, 914502U, 954501, 954502, 964501, 964501II, 964501SS1, 964502, 964502II, 964502SS1, 984501, 984501F, 984502, 984502F

## OCEANOGRAPHY 1A-1B

**Grades:** 10-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** D

**CBEDS Code:** 2609

**Prerequisite:** None

This course is designed for students who are interested in investigating the physical and biological aspects of the marine environment. Physical features studied include the chemical composition of ocean water, tides, currents, waves up-welling, and the geophysical characteristics of ocean bottoms and shorelines. Biological aspects studied are the anatomy and physiology of marine organisms, major types of marine algae, representative examples of major groups of marine vertebrate and invertebrate animals, and tide pool life. Laboratory activities are conducted throughout the course. Laboratory investigations include sea water analysis, map-making, wave tank studies, and dissection of animals.

Notes: Dissection may be a part of this course. Students may select an alternative assignment in lieu of actual dissection of an organism.

Course Codes: 914503, 914503PR, 914503SS1, 914504, 914504PR, 954503, 954504

## PHYSICAL SCI 1A

**Grades:** 09-12

**Duration:** Semester

**Credits:** 5 Credits

**UC/CSU:** None

**CBEDS Code:** 2610

**Prerequisite:**

This course covers the structure and state of matter. Topics may include forms of energy, wave phenomenon, electromagnetism, and physical/chemical interactions.

Course Codes: 914500, 914500S

## Physics 1A-1B

**Grades:** 10-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** D

**CBEDS Code:** 2613

**Prerequisite:** None

This course is a college preparatory course in conceptual physics. It is offered to students who are interested in pursuing careers in the health and life sciences and to those who may not have science or health career goals, but are interested in the physical world in which they live. Topics include classical mechanics; the properties of matter; heat, sound, and light energy; electricity and magnetism; and atomic and nuclear physics. The major emphasis is concept development through laboratory experiences and concept reinforcement through application activities. There is more of an emphasis on the concepts of physics than on mathematical models and relationships.

Course Codes: 914509, 914510

## Physics 1A-1B Honors

**Grades:** 11-12

**Duration:** Year

**Credits:** 10 Credits

**UC/CSU:** D

**CBEDS Code:** 2613

**Prerequisite:** Consultation with current science teacher

This course is designed as a college preparatory course in the physical sciences. It is offered to students who are interested in pursuing college study in the physical sciences or engineering. Its purpose is to expose students to scientific principles which explain natural phenomena in their world. Topics include an analysis of the degree of uncertainty in all measurement; the relationship between matter and energy; forms of motion and momentum; physical properties of matter; electricity and magnetism; light, heat, and sound energy; nuclear science; and high-energy physics. A major emphasis is placed on the evolution of technology and its affect on the development of scientific theories.

Course Codes: 924509, 924510

**Physics and Technology 1A-1B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2613

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**Prerequisite:** None

This course consists of five areas of instruction: systems introduction and safety, prime movers, work, rate, and resistance. Students will then apply these principles to mechanical, fluid, electrical, and thermal systems. Students will accomplish this by working with an array of real-world laboratory equipment. The laboratory investigations will utilize computers to gather, analyze, and document the data and results

Course Codes: 914515, 914516

**Physics and Technology 2A-2B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2613

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**Prerequisite:** Completion of Physics 1A-1B

This course will include eight areas of instruction: systems and safety review; momentum in mechanical and fluid systems; characteristics and applications of waves and vibrations; energy conversion in mechanical, fluid, electrical and thermal systems; mechanical, fluid, electrical and thermal transducers; electromagnetic and nuclear radiation; ray and wave optics, laser and optical systems; time constants in mechanical, fluid, electrical and thermal systems.

Course Codes: 914517, 914518

**VETERINARY SCIENCE 1A-1B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 4024

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**Prerequisite:** Agricultural Biology 1A-1B and Agricultural Natural Science 1A-1B or Biology 1A-1B and Natural Science 1A-1B or instructor approval

Course work will include anatomy and physiology of domestic animals, nutrition, parasites and diseases. Course will also provide a study of common diseases of both small and large animals and the cause and means of prevention. Students will participate in hands-on labs including dissections, animal behavior, and basic veterinary procedure. Guest lectures, veterinarians, vector control officials, and animal health technicians will also be provided to add knowledge of current practices that are implemented in the animal health fields. FFA and Supervised Agricultural Experience Programs are required components of this class.

Course Codes: 914017, 914018

**ZOOLOGY 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** D      **CBEDS Code:** 2606

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**Prerequisite:** None

This college preparatory course aligns with State Standards and includes a strong ecological component. Major topics include vertebrate and invertebrate zoology and the ecological relationship between animals and their environment. Selected topics in field biology are presented to provide opportunities for students to apply their knowledge of zoology and ecology in natural environmental settings. Laboratory work, including dissections, is an integral part of this course.

Course Codes: 904007SS1, 914007, 914008



**CHEMISTRY HNRS 1A-1B****Grades:** 10-12**Duration:** Year**Credits:** 10 Credits**UC/CSU:** D**CBEDS Code:** 2607**Prerequisite:** None

This course is a college preparatory course in physical science. Topics include the application of metric measurement, the properties of matter, families of chemical elements, chemical change, techniques employed in the manipulation of chemical data, and the role chemistry plays in modern society. Laboratory activities are designed to provide students with creative problem-solving experiences. Individual and group investigations in the library and in the laboratory will stress the relationship between science, technology, and society.

Course Codes: 924507, 924508

## **Visual and Performing Arts Department**

### **Advanced Electronic Keyboarding**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2398

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**Prerequisite:** "C" or better in beginning piano or instructor permission

This course is a continuation of Beginning Electronic Keyboarding, or for students who have had prior keyboarding lessons and have instructor permission. Students will play pieces in a variety of styles, based on their individual skill level. Students will continue to study music theory, instrument technique and performance technique. This course may be repeated for duplicate credit.

Course Codes: 915138

### **Advanced Guitar**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2398

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**Prerequisite:** "C" or better in Beginning Guitar

This course is a continuation of Beginning Guitar. Students learn to play the basic chords in the keys of C, G, A, E, Em, and D. Students learn to play all first position notes. Also students will learn some advanced chording, fingering, and picking patterns. This course may be repeated for duplicate credit.

Course Codes: 915134

### **Advanced Percussion**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2398

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**Prerequisite:** "C" or better in Beginning Percussion or instructor approval

This course will focus on basic and advanced percussion techniques and practices. The students will learn necessary rudiments and music reading skills that can be used in all percussion playing. Students who complete this class should be able to participate at some level in the various band classes offered. The students will be exposed to percussion music and instruments from other cultures. They will learn the history of percussion music and its importance as a form of communication. The students will perform selected percussion music at concerts or recitals. The students will be instructed in listening skills and self-evaluation techniques that will enhance their performances. The students will listen to other percussionists and will be able to distinguish between proper and improper techniques. This course may be repeated for duplicate credit.

Course Codes: 915136

### **Advanced Three-Dimensional Design 1AB**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5714

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**Prerequisite:** "C" or better in Visual Arts 1A-1B or instructor approval

This course is designed for the advanced student. The elements and principles of three-dimensional design will be taught through the design, formation and finishing of sculptural and/or jewelry forms. A high level of creativity and craftsmanship will be stressed. As students gain proficiency, they will be encouraged to utilize various techniques and materials to produce quality products. If repeated, fundamentals are reinforced and construction methods of a higher level are introduced to meet individual student needs. This course may be repeated for duplicate credit.

Course Codes: 915019, 915020

### **Animation 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5702

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**Prerequisite:** Visual Arts 1A-1B or instructor approval

Animation 1A-1B will introduce students to the beginning principles of traditional cel animation and to the various technology and materials used in the production of this art form. The purpose of the course is to develop awareness and appreciation of the art of animation and to provide opportunities for creative expression using the tools and technology of animation. It will offer a foundation for those students who wish to pursue careers in animation, film, fine art or related fields. Students will maintain a portfolio containing cel drawings, model and turnaround sheets, storyboards, background paintings, and VHS animation recordings. This class is the prerequisite to Animation 2A-2B.

Course Codes: 915009, 915010

### **Animation 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5702

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**Prerequisite:** Animation 1A-1B

Animation 2A-2B will present students the advanced principles of traditional cel animation and to the various technology and materials used in the production of this art form. The purpose of the course is to further develop awareness and appreciation of the art of animation and to provide opportunities for creative expression using the tools and technology of animation. It offers opportunities to use advanced animation and editing technology and software for those students who wish to pursue careers in animation, film, fine art, audio technology or related fields. Students will maintain a portfolio containing cel drawings, model and turnaround sheets, storyboards, background paintings, and VHS and DVD and digital animation recordings.

Course Codes: 905011, 915011, 915012

### **AP Studio Arts**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2874

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**Prerequisite:** "B" or better in Drawing and Painting 1A-1B or instructor approval

This course is designed for the highly motivated and responsible student interested in the serious study of art. It will provide an intensive examination of the process and content of visual expression through two-dimensional and three-dimensional works. Emphasis is placed on the quality, concentration, and breadth of the student's production and experiences. The goal of this course is the completion of a portfolio of artwork, which has been produced by the student, the majority of which has been produced this year, for evaluation at the end of the year by a group of artists and teachers. This advanced placement course requires the student to work outside of the classroom and scheduled class time.

Course Codes: 935013, 935014

### **Art 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5702

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**Prerequisite:** "C" or better in Visual Arts 1A-1B or instructor approval

This course is designed for students interested in increasing skill and understanding in the art techniques and media. Design, painting, drawing, graphic arts, sculpture, and art appreciation will be among the areas of study. Projects will be assigned to encourage a high level of individual creativity and craftsmanship.

Course Codes: 915005, 915006

**Art for Illustration 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2806

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**Prerequisite:** Visual Arts 1A-1B or equivalent

This course addresses many aspects of illustration with emphasis on line drawing, strip cartoons, and animation. Projects may include the use of cartooning, line drawing, story strips and boards, sculptural forms and computer animation as a communication tool. As the student progresses through the course, a high level of personal creativity will be stressed to communicate ideas, events, and personal perspectives. The history of illustration, cartoon, and animation will be covered. Students will maintain a portfolio that will include a journal, sketches, and other pertinent works of art.

Course Codes: 915007, 915008

**Art History 1A-1B Advanced Placement**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2803

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**Prerequisite:** "C" or better in Language Arts 2A-2B

This course is a one-year course designed to provide the same instruction as an introductory college course in art history: an aesthetic appreciation of architecture, sculpture, painting and other art forms within historical and cultural contexts. Students examine major forms of artistic expression of the past and present as well as a variety of cultures in corresponding proportion to the AP Art History examination. Students learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Students will study all styles and methods of artistic production as they look at, two- and three-dimensional art works, architecture, and other artifacts from the Paleolithic period through the present day. A critical examination of the historical, political, philosophical, religious, economic, social, and technical climate surrounding each period of production will be used to explore the significance and meaning behind the creation of works of art. Students are encouraged to prepare for the Advanced Placement Examination in History of Art.

Course Codes: 935005, 935006

**Baritone Choir 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2305

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**Prerequisite:** None

This course provides students with the opportunity to apply vocal skills in performing a varied repertoire of music in the baritone range. They will listen to, read, notate, analyze, and describe music. Students will analyze the role of music in past and present cultures throughout the world, noting cultural diversity as it relates to music, musicians, and composers. Students will evaluate the effectiveness of performances using specific musical criteria. Students will apply what they learn in music across subject areas and careers. Students are required to work outside of the classroom, including performance preparation, performances and critiques. This course may be repeated for duplicate credit.

Course Codes: 915203, 915204

### **Beginning Band**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2300

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**Prerequisite:** None

This course will focus on basic skills and techniques for music performance on various band instruments. The students will learn to read music and to reproduce music on their chosen instrument. The students will learn the history of each instrument and its role in the development of music. They will learn music history and the development of musical styles. The students will perform simple music from various cultures.

Course Codes: 915101, 915102

### **Beginning Electronic Keyboarding**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** F      **CBEDS Code:** 2398

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**Prerequisite:** None

This course will cover the basic aspects of playing the keyboard. Students will learn to read and play simple keyboarding pieces. Additionally, students will learn basic music theory, instrument technique and performance techniques.

Course Codes: 915137

### **Beginning Guitar**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2398

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**Prerequisite:** None

This course will cover the basic aspects of guitar playing. Students will learn to read, play, and correctly finger all available first-position notes. Students will learn to play simple chords using proper hand, wrist, and arm position.

Course Codes: 915133

### **Beginning Percussion**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2398

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**Prerequisite:** None

This course will focus on basic percussion techniques and practices. The students will learn necessary rudiments and music reading skills that can be used in all percussion playing. Students who complete this class should be able to participate at some level in the various band classes offered. The students will be exposed to percussion music and instruments from other cultures. They will learn the history of percussion music and its importance as a form of communication. The students will be instructed in listening skills and self-evaluation techniques that will enhance their performances. The students will listen to other percussionists and will be able to distinguish between proper and improper techniques.

Course Codes: 915135

### **Ceramics 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2800

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**Prerequisite:** None

This course introduces the clay medium, its qualities and potential. Students will explore hand-built and wheel-thrown construction techniques, glazing, and surface decoration. Students will gain an understanding of the elements and principles of two-and-three-dimensional design as they solve problems in construction and decorating processes.

After the basic techniques are mastered, students will be encouraged to explore the medium and their own creative potential. Students will develop aesthetic perceptions by using critical thinking skill, such as observation, discrimination, comparison, contrast, and imagination. Contemporary statements may be made through an understanding of the historical importance clay has played in past cultures. Students will be introduced to potential career opportunities and technological experiences. Students will maintain a portfolio that will include a journal, sketches, and other pertinent works of art.

Course Codes: 915025, 915026, 975025LS, 975026LS

### **Ceramics 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2800

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**Prerequisite:** Ceramics 1A-1B

This course is a continuation of Ceramics 1A-1B. Students continue to refine their construction, glazing, and decoration techniques.

Course Codes: 915027, 915028

### **Ceramics 3A-3B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2800

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**Prerequisite:** "C" or better in Ceramics 2 or instructor approval

This course offers students a high level of interest in making personal statements in the clay medium by creating products of high quality. Students will further develop their sense of style and craftsmanship in working with clay. Students will have the opportunity to study the works of ceramics craftsmen as it relates to their own personal development. This course may be repeated for duplicate credit.

Course Codes: 915029, 915030

### **Concert Band 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2398

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**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature as well as development of the fundamentals of balance, blend, intonation and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University. To participate in the audition process of the "King Karl King Honor Band" or equivalent event. This may include private instrumental lessons, independent study and research.

Course Codes: 915103, 915104

**Concert Band 2A-2B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2398

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**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature as well as development of the fundamentals of balance, blend, intonation, and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University. To participate in the audition process of the "John Philip Sousa Honor Band" or equivalent event. This may include instructional lessons, independent study, and research.

Course Codes: 915105, 915106

**Concert Band 3A-3B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2398

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**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature as well as development of the fundamentals of balance, blend, intonation and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University.

To participate in the audition process of the "John Philip Sousa Honor Band" or equivalent event. This may include private instrumental lessons, independent study, and research. To prepare students for the possibility of college auditions through research and performance.

Course Codes: 915107, 915108

**Concert Band 4A-4B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2398

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**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature as well as development of the fundamentals of balance, blend, intonation and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University. To participate in the audition process of the "John Philip Sousa Honor Band" or equivalent event. This may include private instrumental lessons, independent study, and research. To prepare students for the demands of college music courses through research of history and music theory. To consider the purchase of an instrument to help meet the demand of the mature musician.

Course Codes: 915109, 915110

**Concert Choir 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2305

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**Prerequisite:** None

This course provides students with the opportunity to apply vocal music skills in performing a varied repertoire of music. They will listen to, read, notate, analyze and describe music. Students will analyze the role of music in past and present cultures throughout the world, noting cultural diversity as it relates to music, musicians and composers. Students will evaluate the effectiveness of performances using specific musical criteria. Students will apply what they learn in music across subject areas and to careers. Students are required to work outside of the classroom, including performance preparation, performances and critiques. This course may be repeated for duplicate credit.

Course Codes: 915201, 915202, 975201LS, 975202LS

**Contemporary Choir 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2305

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**Prerequisite:** Instructor approval

This course offers students the opportunity to study and perform music from the 1920's through present day with an emphasis on jazz styles and improvisation. Some choreography is involved as well as instrumental accompaniments. Contemporary Choir is a performance-oriented group and, as such, studies the concepts of stage presence and professionalism. Festivals and competitions are included. This course may be repeated for duplicate credit.

Course Codes: 915205, 915206

**Contemporary Media 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5745

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**Prerequisite:** Visual Arts 1A-1B or Theatre Arts 1A-1B

This course focuses on developing students understanding of contemporary media's Influence on all aspects of today's world. Students will employ their understanding of contemporary media methods, skills and processes to create personal artistic statements. Students will learn visual and media literacy concepts, develop critical viewing and analysis skills, examine social responsibility and ethics Issues, cover the elements and principles of design and study contemporary media artists. Students will also apply their knowledge and skills to demonstrate their understanding by creating Individual and group projects, writing weekly journals, making group presentations, taking traditional written tests, reflections, and written critiques.

Course Codes: 915521, 915522



### **Contemporary Media Production 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5745

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**Prerequisite:** For communications or contemporary media career path completion of Contemporary Media 1A-1B; teacher recommendation

This course focuses on developing student's ability to produce various forms of media, both in front of and behind the camera. Students will employ their understanding of contemporary media production methods, skills and processes to create personal artistic statements. Students will learn visual and medial literacy concepts, develop critical viewing and analysis skills, examine social responsibility and ethics issues, and cover the elements of storyboarding and principles of set design. Students will also apply their knowledge and skills to produce individual and group projects for broadcast; they will also design sets, and use various lighting techniques to enhance the media experience. Students will make group presentations, take traditional written tests, and write reflections and critiques.

Course Codes: 915523, 915524

### **Contemporary Media Production 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5745

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**Prerequisite:** For communications or contemporary media career path  
Completion of Contemporary Media 1A-1B;  
Teacher Recommendation  
For communications or contemporary media career path.

This course focuses on developing student's ability to produce various forms of media, both in front of and behind the camera. Students will employ their understanding of contemporary media production methods, skills and processes to create personal artistic statements. Students will learn visual and medial literacy concepts, develop critical viewing and analysis skills, examine social responsibility and ethics issues, and cover the elements of storyboarding and principles of set design. Students will also apply their knowledge and skills to produce individual and group projects for broadcast; they will also design sets, and use various lighting techniques to enhance the media experience. Students will make group presentations, take traditional written tests, and write reflections and critiques.

Notes: Completion of Contemporary Media 1A-1B; Teacher Recommendation

Course Codes: 915526, 915527

### **Dance Performance 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2509

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**Prerequisite:** Instructor Approval

Dance Performance 2 is designed to develop intermediate skills in Ballet, Jazz, Modern, and introductory West African Tribal techniques. Students will be introduced to the study of choreographic technique enhanced by rubric based choreography assessments. Students will advance the knowledge and comprehension of the kinesthetic principles, historical and cultural context, and appreciation of Dance as an art form introduced in Dance Performance I with emphasis in Artistic Perception and Creative Expression.

Course Codes: 915303, 915304, 917077, 917078

### **Dance Performance 3A-3B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2355

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**Prerequisite:** Instructor Approval

Dance Performance 3- Production is designed to be an advanced level Dance course for 10th, 11th, and 12th grade students focusing on the Composition and Production of Original Student work. Enrollment in the course is through instructor approval only, with pre-requisite completion of Dance Performance 1 and/or Dance Performance 2.

This course encourages the development of compositional techniques to move students to an advanced level of mastery and create an awareness of principles such as form, matter, context, purpose, weight, space, time, effort, and shape, introducing elements, methods and structures of dance composition. This course enables the student artist to develop his or her individual creativity. Through advanced compositional studies, they further master articulation and communication of ideas, as well as the analysis and critical evaluation of movement. Student artists will have the opportunity to perfect movement invention; to expand variety, contrast, and originality in their choreographic process; and to further develop their personal aesthetic range.

Course Codes: 915305, 915306

### **Digital Photography 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5755

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**Prerequisite:** None

This is an introductory course in digital photography. The initial focus is on the camera and the ability to see and express an idea or message through a photographic image. The second part of the class focuses on the computer, digital manipulation, output, and display. The ability to understand and interpret visual imagery is a necessary part of contemporary culture so that students can become active participants rather than passive consumers. The historical development of photography and its impact on culture are stressed in addition to showing students how they can create and manipulate images to express themselves and influence others.

Course Codes: 915503, 915504

### **Drawing and Painting 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2807

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**Prerequisite:** "C" or better in Visual Arts 1A-1B or instructor approval

This course is designed for students with advanced interests in increasing technical skills in drawing and painting mediums and techniques. Students will explore problems in representation and interpretation leading to individual expression and a strong use of the principles of composition. Projects may include watercolor, oil, acrylic, charcoal, scratch board, pencil, and ink. The expression of artists past and present will be presented. The individual student may pursue mediums and techniques at a more personal level, while developing a more academic understanding of traditional and contemporary expression. Students will be expected to produce a quantity and quality of work respective of their level of achievement. Students will maintain a portfolio that will include a journal, sketches, and other pertinent works of art.

Course Codes: 915013, 915014

**Festival Winds 1A-1B****Grades:** 09-12**Duration:** Year**Credits:** 10 Credits**UC/CSU:** F**CBEDS Code:** 2303**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature, as well as development of the fundamentals of balance, blend, intonation and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University. To participate in the audition process of the "John Philip Sousa Honor Band" or equivalent event. This may include instrumental lessons, independent study and research. To prepare students for the possibility of college auditions through research and performance. To consider the purchase of an instrument to help meet the demands of the mature musician.

This course will address the five component strands of the state VPA standards. It will require proficiency beyond the introductory level. Work outside the class will be required (ex. Sectionals, private lessons, rehearsals, etc.).

Course Codes: 915121, 915122

**Festival Winds 2A-2B****Grades:** 09-12**Duration:** Year**Credits:** 10 Credits**UC/CSU:** None**CBEDS Code:** 2303**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature, as well as development of the fundamentals of balance, blend, intonation and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University. To participate in the audition process of the "John Philip Sousa Honor Band" or equivalent event. This may include instrumental lessons, independent study and research. To prepare students for the possibility of college auditions through research and performance. To consider the purchase of an instrument to help meet the demands of the mature musician. This course will address the five component strands of the state VPA standards. It will require proficiency beyond the introductory level. Work outside the class will be required (ex. Sectionals, private lessons, rehearsals, etc.).

Course Codes: 915123, 915124

### **Festival Winds 3A-3B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2303

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**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature, as well as development of the fundamentals of balance, blend, intonation and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University. To participate in the audition process of the "John Philip Sousa Honor Band" or equivalent event. This may include instrumental lessons, independent study and research. To prepare students for the possibility of college auditions through research and performance. To consider the purchase of an instrument to help meet the demands of the mature musician. This course will address the five component strands of the state VPA standards. It will require proficiency beyond the introductory level. Work outside the class will be required (ex. Sectionals, private lessons, rehearsals, etc.).

Course Codes: 915125, 915126

### **Festival Winds 4A-4B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2303

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**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature, as well as development of the fundamentals of balance, blend, intonation and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University. To participate in the audition process of the "John Philip Sousa Honor Band" or equivalent event. This may include instrumental lessons, independent study and research. To prepare students for the possibility of college auditions through research and performance. To consider the purchase of an instrument to help meet the demands of the mature musician.

This course will address the five component strands of the state VPA standards. It will require proficiency beyond the introductory level. Work outside the class will be required (ex. Sectionals, private lessons, rehearsals, etc.).

Course Codes: 915127, 915128

### **Festival Winds IB HL 1A-1B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2360

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**Prerequisite:** Completion of one year participation in an instrumental music course and audition or approval of the teacher.

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration, and performance. Emphasis is placed on performing quality concert band literature, as well as development of the fundamentals of balance, blend, intonation, and rhythm. Students will focus on four components: Musical Perception, Creating, Solo Performing, & Group Performing.

Course Codes: 945121, 945122, 945123, 945124

### Graphic Design 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5713

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**Prerequisite:** None

In Graphic Design I students will explore two-dimensional and three-dimensional real-world applications of design. After acquiring a historical context of graphic design, students will develop skills in artistic perception, critiquing, and application of design strategies through experiences that emphasize solving visual art problems. Students will develop an awareness of historical trends in design, themes and subject matter from diverse times, places and cultures. Art criticism experiences will further develop a student's ability to see how their personal life affects their interpretations of design. All experiences will focus on developing perception and application of the elements of art and principles of design through contemporary design applications.

Course Codes: 915021, 915022, 915022YB

### Graphic Design 2A-2B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5713

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**Prerequisite:** Graphic Design 1A-1B

Advanced Graphic Design 2A-2B is a continuation of the beginning course, offered to students who have successfully completed Graphic Design 1A-1B in a previous school year. Students will be given opportunities to expand upon their previously acquired skills, continuing to grow as artists, designers, creative thinkers, and problem solvers. Like the prerequisite course, Graphic Design 2A/2B will develop students' skills in artistic perception, critiquing, and application of design strategies. The course will also provide an overview of relevant cultural contexts, and will prepare students to pursue graphic design at the collegiate level. This course will cover advanced graphic design concepts such as typography, perspective, aesthetics, visual communication, and artist/client relations. It will also revisit basic art principles such as the elements of art, color theory, art history, and creative expression. Students will become proficient with Adobe programs such as Photoshop, Illustrator, and In-Design. Projects will include Business Card and Letterhead Design, Product Packaging, Logo Design, Font Design, Movie Posters, Book Covers, and more.

Course Codes: 915023, 915024

### History of Motion Pictures A-B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2910

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**Prerequisite:** None

The ability to discern visual images is so important in today's culture, and unfortunately many primary and secondary schools, for various reasons, do not provide courses that allow students to explore this topic. While it is still important to teach students to analyze the written word, most expose themselves to film and television much more than reading, and high schools have a responsibility to prepare them to be active critics of all types of images, rather than passive consumers. This course helps them to have an appreciation for the historical development of film and its impact on culture, as well as showing how they too can create and manipulate images to express themselves and influence others.

Course Codes: 915501, 915502

**Jazz Ensemble 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2398

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**Prerequisite:** "B" or better in previous band course or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on rehearsing and performing quality jazz literature as well as development of the fundamentals of style, rhythm, and basic jazz nomenclature.

Course Codes: 915129, 915130

**Jazz Ensemble 2A-2B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2398

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**Prerequisite:** "B" or better in previous band class

This course will provide the students an opportunity for an intensive examination of the process, content and analysis of music through demonstration and performance. Emphasis is placed on performing quality jazz band literature, as well as development of the fundamentals of style and improvisation. Students will perform music from various historical and cultural backgrounds.

The goal of this course is to perform jazz band music at a level, which constitutes successful festival performances, as well as concert performances. Music performed at the upper high school or college level will be required. Students are required to work outside of the classroom, including performance preparation, performances and critiques. This course may be repeated for duplicate credit.

Course Codes: 915131, 915132

**Madrigals 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2305

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**Prerequisite:** None

This course provides students with the opportunity to apply vocal music skills in performing a varied repertoire of music. They will listen to, read, notate, analyze, and describe music. Students will analyze the role of music in past and present cultures throughout the world, noting cultural diversity as it relates to music, musicians, and composers. Students will evaluate the effectiveness of performances using specific musical criteria. Students will apply what they learn in music across subject areas and to careers. This course may be repeated for duplicate credit.

Course Codes: 915209, 915210

**Marching Band 1A**

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2512

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**Prerequisite:** None

This course will focus on the performance of marching band literature. This band performs at football games and concerts. Students also participate in various competitions such as parades and field events. Marching skills and routines are emphasized. This course may be repeated for duplicate credit.

Course Codes: 915111, 915112

### Music Theory 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2308

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**Prerequisite:** "B" or better in a previous music course or instructor approval

This course is designed for the serious music student. Students in this course will listen to, analyze and describe music terminology. They will learn to read and notate music at an advanced level. Students will compose, arrange and improvise melodies, variations, and accompaniments using digital/electronic technology when appropriate. They will learn to apply these skills to a performance medium such as voice or keyboard. Students will analyze how history effects and influences musical composition and performance styles. Using the elements of music as a guide, students will make critical judgments about musical performances both recorded and live. Students will apply what they have learned in music theory to learning in other art forms, subject areas, and careers.

Course Codes: 915139, 915140

### Music Theory 2A-2B Advanced Placement

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2308

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**Prerequisite:** Student must be able to read and notate music or instructor approval

The ultimate goal of this Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. This course is primarily designed for the student who plans to pursue music at the collegiate level, or as a career. The course will instill mastery of the rudiments and terminology of music, including: notation, intervals, scales and keys, chords, metric organization, and rhythmic patterns. Students will progress to include more sophisticated tasks such as: composition of a bass line for a given melody, implying appropriate harmony, realization of a figured bass, realization of a Roman numeral progression, and analysis of repertoire. The development of aural skill is a primary objective. Students will develop their "musical memory" and their ability to articulate responses to formal, stylistic, and aesthetic qualities of the works. In addition to European classical styles, music from other cultures will be covered in order to prepare students for assessment.

Course Codes: 935139, 935140

### Music Through the Ages

**Grades:** 09-12      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2307

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**Prerequisite:** None

This course focuses on listening, responding to, and drawing comparisons between music of the Medieval, Renaissance, Baroque, Classical, Romantic, Modern, and Popular styles, as well as non-European musical traditions. Students will learn how to listen beyond style and draw connections to the common human impulses that generate music (e.g., dance, work, theater, rites of life, etc.). The course will include elements of theory, ear training, music appreciation, and critical listening. Behavioral objectives include development of appreciation of historical and cultural heritage, aesthetic perception, creative expression, and aesthetic valuing.

Course Codes: 915141

## **Musical Theatre Laboratory**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2322

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**Prerequisite:** By audition and/or directing staff approval

This course introduces the theatre student to a specific genre-musical theatre. Students develop all aspects of theatre production as well as singing and dance. Musical theatre combines theatre arts with music and dance. This course may include instrumental musicians and dancers as well as theatre arts students. Performances may involve the collaboration of various teachers including music teachers, choreographers, and theatre teachers on one or several campuses. All aspects of professional performance will be highly stressed: creative expression, aesthetic valuing, cultural and historical awareness, music skills, dance practices, theatre production techniques, theatre technology, lighting, and more.

Course Codes: 915427, 915428

## **Orchestra 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2303

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**Prerequisite:** None

The major emphasis of this course is to provide an intensive examination of the process, content and analysis of music through demonstration and performance. Emphasis is placed on performing quality orchestra literature as well as development of the fundamentals of balance, blend, intonation and rhythm.

-To strengthen general performance skills.

-To provide an opportunity to begin work that could lead directly into a major program of study at the University.

Course Codes: 915142, 915143

## **Photography 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5755

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**Prerequisite:** None

This course is designed for students interested in the art of black and white photography. This course emphasizes the basic procedures of photographic image making, film and print processing, and presentation. Photographic composition, the principles of the camera and film, and the history of photography are also covered. Additionally, this course covers creative uses of the camera and accessories and advanced darkroom techniques. Students are also required to work outside of the scheduled class time. Students will maintain a portfolio containing a series of original photographic artworks.

Course Codes: 915505, 915506, 975505LS, 975506LS

## **Photography 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5755

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**Prerequisite:** Photography 1A-1B

This is a course primarily in the art of black and white photography. The course offers students advanced study in photographic image making, film and print processing, and presentation. Students refine skills in composition, and learn advanced principles of the camera and film. Critical issues in the history of photography are incorporated into the students' creative projects. The development of individual style and mastery of advanced photographic techniques are stressed.

Course Codes: 915507, 915508, 975507LS



### **Photography 3A-3B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5755

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**Prerequisite:** Photography 1A-1B and Photography 2A-2B

This course provides further exploration of black and white, color and digital photography. The course offers advanced students independent study in photographic image making, film and print processing, and presentation. Students refine skills in composition and advanced principles of the camera, film, and image making. Students become more selective in the critical issues in the history and ethics of photography, and clarify their individual style and master personal techniques.

Course Codes: 915509, 915510

### **Symphonic Band 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2303

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**Prerequisite:** "B" or better in previous band class

This course will provide the students an opportunity for an intensive examination of the process, content and analysis of music through demonstration and performance. Emphasis is placed on performing quality symphonic band literature, as well as development of the fundamentals of balance, blend, and intonation.

The goal of this course is to perform symphonic band music at a level which constitutes successful festival performances, as well as concert performances.

Music equivalent to the Southern California School Band and Orchestra Association class A and AA (upper high school/college level) will be required. This course may be repeated for duplicate credit.

Course Codes: 915113, 915114

### **Symphonic Band 2A-2B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2303

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**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature as well as development of the fundamentals of balance, blend, intonation and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University. To participate in the audition process of the "John Philip Sousa Honor Band" or equivalent event. This may include instrumental lessons, independent study and research.

Course Codes: 915115, 915116

### **Symphonic Band 3A-3B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2303

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**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature as well as development of the fundamentals of balance, blend, intonation and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University. To participate in the audition process of the "John Philip Sousa Honor Band" or equivalent event. This may include instrumental lessons, independent study and research. To prepare students for the possibility of college auditions through research and performance.

The course will address the five component strands of the state VPA standards. It will require proficiency beyond the introductory level. Work outside the class will be required (ex. Sectionals, private lessons, rehearsals, etc.).

Course Codes: 915117, 915118

### **Symphonic Band 4A-4B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2303

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**Prerequisite:** "B" or better in previous band class or instructor approval

The major emphasis of this course is to provide an intensive examination of the process, content, and analysis of music through demonstration and performance. Emphasis is placed on performing quality concert band literature, as well as development of the fundamentals of balance, blend, intonation and rhythm. To strengthen general performance skills. To provide an opportunity to begin work that could lead directly into a major program of study at the University. To participate in the audition process of the "John Philip Sousa Honor Band" or equivalent event. This may include instrumental lessons, independent study and research. To prepare students for the possibility of college auditions through research and performance. To consider the purchase of an instrument to help meet the demands of the mature musician.

This course will address the five component strands of the state VPA standards. It will require proficiency beyond the introductory level. Work outside the class will be required (ex. Sectionals, private lessons, rehearsals, etc.).

Course Codes: 915119, 915120

### **Television Production 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5745

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**Prerequisite:** Instructor approval

This course introduces the student to basic television program techniques. The course includes basic use of the camera, scriptwriting, and storyboarding, as well as knowledge of the types of TV production and set building. Students will be introduced to the history, role, and responsibility of the media in culture. Students will also be introduced to potential career opportunities.

Course Codes: 915513, 915514

**Television Production 2A-2B****Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5745**Prerequisite:** Instructor approval

This course continues to build on the skills and knowledge learned in Television Production 1A-1B. Advanced students explore the range of technical possibilities in editing. Emphasis is placed on media ethics and production content. Critical thinking skills are developed through analysis of films, commercials, and documentaries.

Course Codes: 915515, 915516

**Television Production 3A-3B****Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5745**Prerequisite:** Instructor approval

This course is a continuation of Television Production 2A-2B. In addition to previously covered areas, the student in this course will begin to develop knowledge and skills in lighting, editing and sound mixing. Advanced special effects techniques in the form of animation and use of laser disc programming will also be introduced. Basic Electronic Broadcasting and "Magazine" Format programming will be emphasized. Continued work in storyboarding and camera performance will also be encouraged. Basic promotion and television management techniques will be explored.

Course Codes: 915517, 915518

**Television Production 4A-4B****Grades:** 12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5745**Prerequisite:** Instructor approval

This course is a course designed for the continuing dedicated and highly motivated student. Advanced techniques in sound mixing, editing, lighting, and directing will be emphasized. The format of the television programs will be varied to include documentary, instructional, situational (dramatic and comedic), and commercial forms. Students will learn to incorporate mixed media approaches and programming about and for a variety of disciplines. Advanced promotion and television management techniques will be continued.

Course Codes: 915519, 915520

**The Art and History of Fashion 1A-1B****Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4107**Prerequisite:** Visual Arts 1A-1B or instructor approval

This course engages students in the aesthetic aspects of two and three-dimensional design necessary to create sketches, designs and actual articles of clothing. It includes ample study and full appreciation of fashion trends throughout history and across cultures, formal and casual; ceremonial and traditional, including an understanding that styles are affected by social, cultural, historical, political, and economic influences.

Students become familiar with the elements of art and principles of design as the essential building blocks necessary to solve design problems and they learn to use appropriate vocabulary to critique designs created by themselves, their peers, and professional designers from the United States and abroad. They come to recognize and appreciate that fashion design is connected to and influenced by other art forms and other academic disciplines. This course will emphasize figure drawing, fashion sketching, and work with a variety of materials and techniques in creative projects.

Course Codes: 915031, 915032

## **The Art and History of Fashion 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4107

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**Prerequisite:** Visual Arts 1A-1B or instructor approval

This course engages students in the aesthetic aspects of two and three-dimensional design necessary to create sketches, designs and actual articles of clothing. It includes ample study and full appreciation of fashion trends throughout history and across cultures, formal and casual; ceremonial and traditional, including an understanding that styles are affected by social, cultural, historical, political, and economic influences.

Students become familiar with the elements of art and principles of design as the essential building blocks necessary to solve design problems and they learn to use appropriate vocabulary to critique designs created by themselves, their peers, and professional designers from the United States and abroad. They come to recognize and appreciate that fashion design is connected to and influenced by other art forms and other academic disciplines.

Students utilize technology in creating and constructing original designs as well as learning pattern drafting methods. This course will emphasize figure drawing, fashion sketching, and work with a variety of materials and techniques in creative projects.

Course Codes: 915033, 915034

## **Theatre Arts 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2900

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**Prerequisite:** None

This course is designed to introduce the art of the actor through performance and to provide the student with an orientation to the theatre arts. Through various processes each student will explore sensory-emotional awareness, pantomime, rhythm and movement, improvisation, story development, dramatization, and play making techniques through the use of textbook and script readings; essay and script writings; design acting and lectures. Students will recognize the time and culture captured in theatrical works, as well as the history of cultures of theatre itself. Students will maintain a portfolio that will include artworks, critical analyses, assessments and evaluations, writings and other works.

Course Codes: 915401, 915402, 975401LS, 975402LS

## **Theatre Arts 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2900

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**Prerequisite:** Theatre Arts 1A-1B or instructor approval

This course offers the student opportunities and activities to further develop theatre arts skills. The course enriches student proficiency in vocal production and oral interpretation, advanced improvisation techniques, character analysis, character and emotional physicalization, and scripted performances. Students will also concentrate on performance techniques concerning theatre styles/genre, an appreciation of theatre heritage, the performance production process, and theatre technology. In addition, students will be afforded the opportunity to explore play writing and play analysis, including establishing criteria for evaluation of written and performed theatre works. Students will use a variety of techniques for organizing works and for self-evaluation. This is an activity-based class.

Course Codes: 915403, 915404

### Theatre Arts 3A-3B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2900

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**Prerequisite:** Instructor approval

This course offers the student opportunities and activities to further develop theatre arts skills. The course enriches student proficiency in vocal production and oral interpretation, advanced improvisation techniques, character analysis, character and emotional physicalization, and scripted performances. Students will also concentrate on performance techniques concerning theater styles/genre, an appreciation of theatre heritage, the performance production process, and theatre technology. In addition, students will be afforded the opportunity to explore play writing and play analysis, including establishing criteria for evaluation of written and performed theatre works. This is an activity-based class.

Course Codes: 915405, 915406

### Theatre Arts 4A-4B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2900

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**Prerequisite:** Instructor approval

This course is intended for the highly motivated and advanced theatre student. The course offers students opportunities to refine areas of special interest in the theatre arts. Possible activities encompass such areas as performance skills, theatre design and application, play writing, directing and career opportunities. Students will develop an understanding of and appreciation for theatre as a viable form of communication.

Course Codes: 915407, 915408

### Theatre Production 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5721

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**Prerequisite:**

Grades Offered: 9  
Instructor approval

This course introduces the student to all phases of theatre production in an activity/workshop class setting. This course offers the serious theatre arts student an opportunity to explore and apply all phases of the production process. Practical performance skills will be emphasized: theatre of varied cultures, historical theatre literature, audition practices, theatre management, rehearsal techniques, aesthetic perception, and survey technical crafts. This course is designed to meet the needs of highly motivated theatre students.

Course Codes: 915417, 915418

### Theatre Production 2A-2B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5721

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**Prerequisite:** Theatre Production 1A-1B and instructor approval

This course expands knowledge in all phases of theatre production in an activity/workshop class setting. This course offers the serious theatre arts student an opportunity to further apply all phases of the production process. Theatre theory in areas including acting, movement, directing, design, production, expression, improvisation, aesthetic appreciation, and criticism will be addressed. Practical performance skills will be expanded: theatre of varied cultures, historical theatre literature, audition practices, theatre management, rehearsal techniques, aesthetic perception, and applied technical crafts. This course is designed to meet the needs of highly motivated theatre students.

Course Codes: 915419, 915420

**Theatre Production 3A-3B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5721

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**Prerequisite:** Instructor approval

This course is a continuation of Theatre Production 2A-2B.

Course Codes: 915421, 915422

**Theatre Production 4A-4B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5721

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**Prerequisite:** Instructor approval

This course is a continuation of Theatre Production 3A-3B.

Course Codes: 915423, 915424

**Theatre Technology 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5721

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**Prerequisite:** Instructor approval

This course offers the student opportunities to acquire and apply knowledge and skills in a variety of areas in theatre technology: theatre architecture, scenic design, construction, lighting, sound engineering, make-up and costume techniques, theatre management, and publicity design. Students will be introduced to major historical periods and cultural differences in architecture and clothing design to ensure period-correct productions. Students will also be exposed to creative expression through light and set design and will develop an aesthetic appreciation of good theatre technology applications.

Course Codes: 915409, 915410

**Theatre Technology 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5721

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**Prerequisite:** Theatre Technology 1A-1B or instructor approval

This course offers the student an opportunity to continue to develop and apply knowledge and skills in a variety of areas in theatre technology: theatre architecture, scenic design, construction, lighting, sound engineering, make-up and costume techniques, theatre management, and publicity design. Students will explore major historical periods and cultural differences in architecture and clothing design to ensure period-correct productions. Students will develop creative expression through light and set design. Aesthetic valuing and perceptions will mature with experience and repeated applications.

Course Codes: 915411, 915412

**Theatre Technology 3A-3B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5721

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**Prerequisite:** Theatre Technology 2A-2B

This course is a continuation of Theatre Technology 2A-2B.

Course Codes: 915413, 915414

### **Theatre Technology 4A-4B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5721

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**Prerequisite:** Theatre Technology 3A-3B

This course is a continuation of Theatre Technology 3A-3B.

Course Codes: 915415, 915416

### **Three-Dimensional Design 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5713

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**Prerequisite:** "C" or better in Visual Arts 1A-1B or instructor approval

This course is designed to provide students an opportunity to further explore three-dimensional design, forms and their surfaces. New techniques and methods will be introduced as familiar ones are strengthened. Materials may include clay, fibers, metals, wood, glass, and leather in the design and construction of three-dimensional projects. The development of craftsmanship and/or a sense of design will be stressed along with creative expression.

Course Codes: 915017, 915018

### **Treble Choir 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 2305

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**Prerequisite:** Instructor approval

This course is designed for treble voices. Students will study a wide variety of two- and three-part music. In addition, students will learn note reading and vocal technique, varieties in style and interpretation, and performance skills. Some concert performances will be included. This course may be repeated for duplicate credit.

Course Codes: 915207, 915207F, 915207U, 915208, 915208F, 915208U

### **Two-Dimensional Design and Color TheB**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5713

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**Prerequisite:** None

This course offers students the exposure to the basic elements of design and color through the use of space and letter forms. Students will experience the study of historical and modern letter forms through the use of a wide variety of tools, papers, and materials. Combined with the actual learning and construction of the letter are design and color techniques to complete a variety of projects and finished pieces. Students interested in further developing personal skills and craftsmanship may repeat the class.

Course Codes: 915015, 915016

### **Video Production 1A-1B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 5745

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**Prerequisite:** "C" or better in Introduction to Media Production or Photography 1A or instructor approval

This course introduces the student to basic video production techniques, concepts and skills. The primary focus of this course will be to develop camera skills and familiarity with fundamental compositional structures resulting in an ability to manipulate video space and time and create realistic effects for the viewer. In-camera editing will be required. Basic lighting and audio techniques as well as theatrics will be introduced. The importance of organizational skills and life-skills in creating successful video will be stressed. The students will be exposed to the history of the video media, discuss its role and responsibilities, and debate issues related to video and the media. Students will also explore career opportunities.

Course Codes: 915511, 915512

### **Visual Arts 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5702

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**Prerequisite:** None

This course emphasizes the necessary skills to provide the student with a foundation leading to understanding artistic perception, creative expression, historical and cultural context(s); aesthetic valuing and connections, relations, applications of the visual arts. Students learn the tools, techniques, materials, technology and application of a variety of art forms, and apply their knowledge to other disciplines and careers. The art elements and principles of design serve as a foundation for each unit covered. Selected historical or cultural contexts will be applied with attention to analysis, interpretation, and judgment of student work, as well as appreciation of art works from other cultures and times. Students will maintain a portfolio that will include a journal, sketches, and other pertinent works of art.

Course Codes: 915001, 915001DI, 915001II, 915002, 915002DI, 915002II, 975001LS, 975002LS

### **Visual Arts 2A-2B**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** F      **CBEDS Code:** 5702

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**Prerequisite:** "C" or better in Visual Arts 1A-1B or instructor approval

This course is designed for students interested in increasing skills and understanding art techniques and media. Necessary skills will be emphasized to provide the student with a perceptual base leading to understanding artistic perception, creative expression, historical and cultural context(s); aesthetic valuing and connections, relations, and applications of the visual arts. Design, painting, drawing, graphic arts, sculpture, and art appreciation will be among areas of study. Projects will be assigned to encourage a higher level of individual creativity and craftsmanship. The art elements and principles of design serve as a foundation for each unit covered. Selected historical or cultural contexts will be applied with attention to analysis, interpretation, and judgment of student work, as well as appreciation of art work from other cultures and times. Students will maintain a portfolio that will include a journal, sketches, and other pertinent works of art.

Course Codes: 915003, 915004, 975003LS, 975004LS



## **Work Experience Department**

### **Exploratory Work Experience 1A-1B**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4902

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**Prerequisite:** Student observes a job at least 10 hours (10 credits) or 5 hours (5 credits) See notes for full description.

This course is an elective course which combines non-paid job observation and sampling with related classroom instruction in employability skills. Students will ascertain their interest and suitability for the occupations they are exploring. Instruction is the same as General Work Experience with the exception that additional time is given to career-awareness/exploration activities and the skills needed to acquire employment.

Instruction in level 1A is divided into three parts involving the employment cycle: How to Get a Job, Keep a Job, and Leave a Job. Labor laws, employee rights, income taxes, and other pertinent topics will be discussed as they relate to the employment cycle. Instruction is modified for special needs learners.

Notes: Work Experience coordinator approval. Student observes a job at least 10 hours (10 credits) or 5 hours (5 credits) per week at a non-residential/stationary business location, within approximately 30 miles of the CNUSD. The job to be observed must be approved by the WEE coordinator.

**Course Requirements:**

- a. Student participates in non-paid job observations a minimum of 60% of weeks in the semester
- b. Student submits an enrollment card/training agreement
- c. Student submits a work permit application if under age 18
- d. Student attends once a week related instruction class regularly
- e. Student submits weekly time sheets signed by employer regularly
- f. Student satisfactorily completes assignments, etc., as required
- g. Student develops a portfolio (resume, references, application, etc.)

May be taken as a 5 or 10 credit semester.

Course Codes: 919055, 919056

## Exploratory Work Experience 2A-2B

**Grades:** 11-12      **Duration:** Semester      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4902

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**Prerequisite:** Student observes a job at least 10 hours (10 credits), or 5 hours (5 credits) See notes for full description.

This course is an elective course which combines non-paid job observation and sampling with related classroom instruction in employability skills. Students will ascertain their interest and suitability for the occupations they are exploring. Instruction is the same as General Work Experience with the exception that additional time is given to career-awareness/exploration activities and the skills needed to acquire employment.

Instruction in level 2A expands upon, the curriculum of level 1A (Employment Cycle: How to Get a Job, Keep a Job, and Leave a Job). Greater emphasis is placed on post-graduation resumes and interview skills, succeeding on the job, and communication skills. Instruction is modified for special needs learners.

Notes: 1A is a prerequisite for 2A or Work Experience coordinator approval. A passing grade is required if enrolled in previous semester. Student observes a job at least 10 hours (10 credits), or 5 hours (5 credits) per week at a non-residential/stationary business location, within approximately 30 miles of the CNUUSD. The job to be observed must be approved by the WEE coordinator.

Course Requirements:

- a. Student participates in non-paid job observations a minimum of 60% of weeks in a semester
- b. Student submits an enrollment card/training agreement
- c. Student submits a work permit application if under age 18
- d. Student attends once a week related instruction class regularly
- e. Student submits weekly time sheets signed by employer regularly
- f. Student satisfactorily completes assignments, etc., as required
- g. Student updates and revises previous year's portfolio

May be taken as a 5 or 10 credit a semester.

Course Codes: 919057, 919058

## General Work Experience 1A-1B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4903

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**Prerequisite:** Student must have a legally paid job, working at least 10 hours (10 credits) a week, or 5 hours (5 credits). See Notes for full description

This course is an elective class which combines supervised, paid employment in any occupational field with related classroom instruction in employability skills. Students will develop work habits, attitudes, self-confidence, and job skills which can be used to locate, secure, and retain employment in the community.

Instruction in level 1A is divided into 3 parts involving the Employment Cycle: How to Get a Job, Keep a Job, and Leave a Job. Labor laws, employee rights, income taxes and other pertinent topics will be discussed as they relate to the employment cycle.

Notes: Student must have a legally paid job, working at least 10 hours (10 credits a week, or 5 hours (5 credits), at a non-residential/stationary business location, within approximately 30 miles of the CNUSD. Self-employment or independent contractor status is not allowed. Job must be legal, safe, moral and approved by the WEE coordinator. Students must obtain a valid work permit if under age 18. Course Requirements:

- a. Legal job (see prerequisite) working minimum of 60% of semester
- b. Student submits an enrollment card/training agreement
- c. Student submits a work permit application if under age 18
- d. Student attends once a week related instruction class regularly
- e. Student submits weekly time sheets signed by employer regularly
- f. Student submits paycheck stubs monthly
- g. Student satisfactorily completes assignments, etc. as required
- h. Student develops a portfolio (resume, references, applications, etc.)

May be taken as 5 or 10 credits per semester.

Course Codes: 919051, 919051P1, 919051P2, 919051P5, 919051P6, 919051P7, 919051P8, 919051PZ, 919052, 919052P1, 919052P2, 919052P5, 919052P6, 919052P7, 919052P8, 919052PZ, 959051P5, 959051P6, 959051P7, 959051P8, 959051PZ, 959052P5, 959052P6, 959052P7, 959052P8, 959052PZ

## General Work Experience 2A-2B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 4903

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**Prerequisite:** Student must have a legally paid job, working at least 10 hours (10 credits) a week, or 5 hours (5 credits) See Notes for full description

This course is an elective class which combines supervised, paid employment in any occupational field with related classroom instruction in employability skills. Students will develop work habits, attitudes, self-confidence, and job skills which can be used to locate, secure, and retain employment in the community.

Instruction in level 2A repeats, but expands upon the curriculum of level 1A (Employment Cycle: How to Get a Job, Keep a Job, and Leave a Job). Greater emphasis is placed on post-graduation resumes and interview skills, succeeding on the job, and communications skills.

Notes: 1A is a prerequisite for 2A or instructor approval. A passing grade is required if enrolled in the previous semester. Student must have a legally paid job, working at least 10 hours (10 credits) a week, or 5 hours (5 credits), at a non-residential/stationary business location, within approximately 30 miles of the CNUSD. Self-employment or independent contractor status is not allowed. Job must be legal, safe, moral and approved by the WEE coordinator. Students must obtain a valid work permit if under age 18.

**Course Requirements:**

- a. Legal job (see prerequisite) working minimum of 60% of semester
- b. Student submits an enrollment card/training agreement
- c. Student submits a work permit application if under age 18
- d. Student attends once a week related instruction class regularly
- e. Student submits weekly time sheets signed by employer regularly
- f. Student submits paycheck stubs monthly
- g. Student satisfactorily completes assignments, etc. as required
- h. Student updates and revises previous year's portfolio

May be taken as 5 or 10 credits per semester.

Course Codes: 919053P5, 919053P6, 919053P7, 919053P8, 919053PZ, 919054P5, 919054P6, 919054P7, 919054P8, 919054PZ, 959053P5, 959053P6, 959053P7, 959053P8, 959053PZ, 959054P5, 959054P6, 959054P7, 959054P8, 959054PZ

## **World Languages Department**

### **AP Chinese Language & Culture**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2278

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**Prerequisite:** Grade of a "C" or better in Chinese 3 or Chinese for Native Speakers 2, or per teacher recommendation.

Advanced placement Chinese uses an integrated approach to language learning. Course materials include authentic materials: radio broadcasts, newspaper, websites and literary works. Language and culture are taught simultaneously through the use of these materials. Students will be required to prepare oral presentations, work on individual and group projects, and research a variety of teacher and student selected topics. Class will be conducted entirely in Mandarin Chinese and students are expected to communicate entirely in Mandarin Chinese as well. Students will be given the option to read and write in either simplified or traditional characters.

Course Codes: 936207, 936208

### **AP French Language**

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2270

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**Prerequisite:** "C" or better in French 3A-3B  
A passing grade in 4A is required for enrollment in 4B

This course is designed to conform with the general standards of the Advanced Placement program. Listening, speaking, reading, and writing skills will be refined through intensive study of literary and practical French written materials. Grammatical skills and vocabulary development will be enhanced through compositions, reports, essays, and debates. The course will also prepare the student for a rigorous exam in the spring which may result in the awarding of college credit. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 936107, 936108

### **AP German**

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2272

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**Prerequisite:** "C" or better in German 3A-3B. A passing grade in 4A is required for enrollment in 4B.

This course is designed to conform with the general standards of the Advanced Placement program. Listening, speaking, reading, and writing skills will be refined through the intensive study of literary and practical German written material. Grammatical skills and vocabulary development will be enhanced through compositions, reports, essays, and debates. The course will also prepare the student for a rigorous exam in the spring which may result in the awarding of college credit. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 936307, 936308

### AP Spanish Language

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2275

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**Prerequisite:** "C" or better in Spanish 3A-3B recommended. A passing grade in 4A is required for enrollment in 4B

This course is designed to conform with the general standards of the Advanced Placement program. Listening, speaking, reading, and writing skills will be refined through the intensive study of literary and practical Spanish written material. Grammatical skills and vocabulary development will be enhanced through compositions, reports, essays, and debates. The course will also prepare the student for a rigorous exam in the spring which may result in the awarding of college credit. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 936007, 936007IB, 936008, 936008IB

### AP Spanish Literature

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2276

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**Prerequisite:** "C" or better in Spanish 4A-4B Advanced Placement or instructor approval

This course is designed to provide students with an in-depth study of selected works from the literature of Spain and Spanish America. Students read and analyze literature both orally and in writing in Spanish. This course emphasizes advanced composition, grammar and dialogue focused on the analysis of Spanish literary works representing all genres.

Course Codes: 936009, 936010

### Chinese 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2214

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**Prerequisite:** CST Scores in the mid Basic range

This is an introductory course on Mandarin Chinese with an emphasis on general communication skills. Students will be able to listen to and understand basic spoken Chinese, respond orally using core vocabulary, begin to recognize Chinese characters and learn how to use the pinyin system of writing and pronunciation.

There will be a focus on grammar throughout the course that will include concepts such as simple clauses, adjectives, and formation of sentences. Lessons will include concepts such as greetings, introductions, nationalities, age, occupations, dates and time, numbers, days and months, hobbies, and expressions of likes and dislikes. The course will also include lessons that expand upon students knowledge and appreciation of Chinese culture and history.

Course Codes: 916201, 916202

### Chinese 2A-2B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2214

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**Prerequisite:** Grade of "C" or better in Chinese IB

This course is the continuation of the material covered in Chinese I. Students will experience further development in their general communication skills of reading, writing, and speaking. Students will be exposed to the most common Chinese characters and phrases and calls upon them to form more complex sentences through conjunctions and comparative sentences. By the conclusion of the course, students are expected to be able to read and write short essays.

Chinese culture and history is further explored by focusing on concepts such as the Chinese New Year and examining the relationship between Taiwan and China. The course will also examine China's expanding economic influence throughout the world and its relationship with the United States. Ultimately, students will be expected to be able to advance their knowledge of Chinese society and culture.

Course Codes: 916203, 916204

### Chinese 3A-3B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2215

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**Prerequisite:** Completion of Chinese 2 or Chinese for Native Speakers with a C average or higher

Chinese 3 further develops and refines the speaking, listening, reading and writing skills developed in the first two years. Through constant practice, students expand their ability from everyday survival language to more advanced interactions. Conducted mainly in Chinese, the course includes grammar review, vocabulary development and engages students in communicative exercises. Reading materials include a selection of contemporary articles, and literary as well as cultural authentic texts. Reports and oral presentations strengthen understanding of target language.

Course Codes: 916205, 916206

### Chinese 4A-4B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2215

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**Prerequisite:** Grad of a "C" or better in Chinese 3

This course continues the language development in all areas of listening, speaking, reading and writing from Chinese 3. Oral and written materials will be expanded to expose students to social and practical topics in formal and informal settings. Students will be able to comprehend a nontechnical lecture and discuss the information gained from the lecture. This course is conducted entirely in Mandarin Chinese. Students will be given the option to read and write in either simplified or traditional characters. Students will learn approximately 400 additional characters.

Course Codes: 916207, 916208

### Chinese for Native Speakers

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2223

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**Prerequisite:** Speaks Chinese at Home

This course is designed for students who have grown up speaking Chinese as a home language, who speak fluently, but do not read or write characters. This course will focus on developing reading and writing skills as well as maintaining and strengthening the strong oral and listening skills acquired at home. Students will learn approximately 700 simplified characters. This course will also promote cultural awareness through various literary essays and graded readers. Successful completion of this course will enable students to enroll in Chinese 3 or AP Chinese per teacher recommendation.

Course Codes: 916211, 916212

## Chinese for Native Speakers 2A-2B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2223

**Prerequisite:** Grade of "C" or better in Chinese for Native Speakers 1B

This course further develops and refines the speaking, listening, reading and writing skills developed in Chinese for Native Speakers 1A-1B. Through constant practice, students expand their ability from everyday survival language to more advanced interactions. Conducted entirely in Chinese, this course includes grammar review, vocabulary development, and engages students in communicative exercises. Reading materials include a selection of contemporary articles, and literary as well as cultural authentic texts. Reports and oral presentations strengthen all areas. Students will learn an additional 700 characters, either in the simplified or traditional form.

Course Codes: 916213, 916214

## French 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2204

**Prerequisite:** A Passing grade in 1A is required for enrollment in 1B

This course is designed to help students develop language skills of listening, speaking, reading, and writing through the study of basic elements of the sound system of the language, basic structural patterns, and useful everyday vocabulary. An introduction to French culture is included. Emphasis will be placed on the listening and speaking activities and upon the grammatical principles of the present tense through written exercises. Simple directions and survival expressions will be used in place of English. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916101, 916102

## French 2A-2B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2204

**Prerequisite:** "C" or better in French 1A-1B, A passing grade in 2A is required for enrollment in 2B

This course is designed to help students develop language skills of listening, speaking, reading, and writing through the study of basic elements of the sound system of the language, basic structural patterns, introduction to French culture is included. French 2A-2B will primarily be taught in French with a minimum of English spoken by students and the instructor. The present tense will be reviewed and the past tense will be introduced at this level. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916103, 916104

## French 3A-3B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2205

**Prerequisite:** "C" or better in French 2A-2B, A passing grade in 3A is required for enrollment in 3B

This course is designed to develop further the students' control of the language through listening, speaking, reading, and writing activities. The major emphasis is placed upon listening and speaking. Reading and writing activities are presented simultaneously. There is further study of cultural topics. This course will be conducted in French only. Literature will be introduced as a means of integrating all grammatical principles and tenses. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916105, 916106



### French 3A-3B Honors

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2205

**Prerequisite:** "B" or better in French 2A-2B. A passing grade in 3 A Honors is required for enrollment in 3B Honors

French 3A-3B Honors/Pre-AP is designed to prepare students for the rigor of the 4th year Advanced Placement French Language and Culture course and satisfy the California World Language Standards for Level 3. Listening, speaking, reading and writing skills are equally emphasized. Grammatical skills and vocabulary development are enhanced through literature, compositions, reports, essays and debates. This course is conducted exclusively in French only and is communication based. It emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing and culture.

Course Codes: 926105, 926106

### French 5A-5B

**Grades:** 11-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2271

**Prerequisite:** "C" or better in French 4A-4B Advanced Placement or instructor approval

This course is designed to provide students with an in-depth study of selected works from French literature. Students read and analyze literature both orally and in writing in French. This course emphasizes advanced composition, grammar, and dialogue focused on the analysis of French literary works representing all genres.

Course Codes: 916109, 916110

### French Level Four 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** None      **CBEDS Code:** 2205

**Prerequisite:** French Level Three or by teacher recommendation

This course is designed to conform to the general standards of the level four program. Listening, speaking, reading and writing skills will be refined through the intensive study of literary and practical French written material. Grammatical skills and vocabulary development will be enhanced through compositions, reports, essays and debates. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture and learning skills.

Course Codes: 916107, 916108

### German 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2200

**Prerequisite:** A Passing grade in 1A is required for enrollment in 1B

This course is designed to help the students develop language skills of listening, speaking, reading, and writing through the study of basic elements of the sound system of the language, basic structural patterns, and useful everyday vocabulary. Emphasis will be placed on the listening and speaking activities and upon the grammatical principles of the present tense through written exercises. Simple directions and survival expressions will be used in place of English. An introduction to German culture is included. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916301, 916302

### German 2A-2B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2200

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**Prerequisite:** "C" or better in German 1A-1B  
A passing grade in 2A is required for enrollment in 2B

This course is designed to help the students develop language skills of listening, speaking, reading, and writing through the study of basic elements of the sound system of the language, basic structural patterns, and useful everyday vocabulary. Emphasis will be placed upon the listening and speaking activities and upon the reinforcement of grammatical principles in the past tense through written exercises. An introduction to German culture is included. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916303, 916304

### German 3A-3B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2201

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**Prerequisite:** "C" or better in German 2A-2B. A passing grade in 3A is required for enrollment in 3B.

This course is designed to further develop the students' control of the language through listening, speaking, reading, and writing activities. The course will be conducted in German only as a means of further developing listening and speaking skills. Literature will be introduced as a means of integrating all grammatical principles and tenses. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916305, 916306

### Introduction to Spanish

**Grades:** 9      **Duration:** Semester      **Credits:** 5 Credits      **UC/CSU:** None      **CBEDS Code:** 2206

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**Prerequisite:** None

This course is a one semester course for 9th graders who need additional support prior to entering Spanish 1A-1B. This course may provide an excellent back up to Health and is available for elective credit only. This course is recommended for incoming 9th graders who score at the below basic and far below basic CST for Language Arts.

Course Codes: 916000

### Spanish 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2206

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**Prerequisite:** A Passing grade in 1A is required for enrollment in 1B

This course is designed to develop the language skills of listening, speaking, reading, and writing through the basic elements of the sound system. Emphasis will be placed on the listening and speaking activities and upon the grammatical principles of the present tense through written exercises. Cultural topics will also be introduced. Simple directions and survival expressions will be used in place of English. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916001, 916002, 946001, 946001F, 946001U, 946002

### Spanish 2A-2B

**Grades:** 10-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2206

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**Prerequisite:** "C" or better in Spanish 1A-1B. A passing grade in 2A is required for enrollment in 2B.

This course will further develop listening and speaking skills. The present tense will be reviewed and the preterite and imperfect tenses will be introduced. This course is conducted in Spanish. Students are encouraged to participate in Spanish at all times. This course is designed to further the students cultural awareness. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916003, 916004, 946003, 946004

### Spanish 3A-3B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2207

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**Prerequisite:** "C" or better in Spanish 2A-2B recommended. A passing grade in 3A is required for enrollment in 3B.

This course is designed as a comprehensive review of Spanish listening, speaking, reading, and writing skills introduced through Spanish 2A-2B. This course will be conducted in Spanish only as a means of further developing listening and speaking skills. Literature will be introduced as a means of integrating all grammatical principles and tenses. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916005, 916006, 946005, 946006

### Spanish for Native Speakers 1A-1B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2225

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**Prerequisite:** Native Spanish-speaking student

This course is designed to meet the needs of the native Spanish-speaking student who is fluent in the listening and speaking skills of Spanish. This course is intended for the Spanish speaker who needs to improve the basic skills of grammar, reading, and writing and may lead to meeting the minimal requirements for entry in Spanish 3A-3B. Students who successfully complete this course may be eligible to enroll in either Spanish for Native Speakers 2A-2B or Spanish 3A-3B depending upon teacher recommendation. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916011, 916011DI, 916012, 916012DI

### Spanish for Native Speakers 2A-2B

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2225

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**Prerequisite:** Native Spanish-speaking student

This course is designed for students who have proficient Spanish listening and speaking skills. The development of vocabulary and critical thinking skills based on literature will be emphasized and enhanced. The course will encompass the problems that native speakers face: syntax, diacritical marks, spelling, and special grammatical principles and fluency. Students who successfully complete this course may enroll in either Spanish 3A-3B or 4A-4B depending upon teacher recommendation. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture, and learning skills.

Course Codes: 916013, 916013DI, 916014

**Spanish Hnrs 3A-3B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2207

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**Prerequisite:** "B" or better in Spanish 2A-2B. A passing grade in 3A Hnrs is required for enrollment in 3B.

Spanish 3A-3B Honors/Pre-AP is designed to prepare students for the rigor of the 4th year Advanced Placement Course and to satisfy the California World Language Standards for Level 3. Listening, speaking, reading and writing skills are equally emphasized. Grammatical skills and vocabulary development are enhanced through literature, compositions, reports, essays and debates. This course is conducted exclusively in Spanish and is communication based. It emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, and culture.

Course Codes: 926005, 926006

**Spanish Level Four 1A-1B**

**Grades:** 09-12      **Duration:** Year      **Credits:** 10 Credits      **UC/CSU:** E      **CBEDS Code:** 2207

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**Prerequisite:** Spanish Level Three or by teacher recommendation

This course is designed to conform with the general standards of the level four program to prepare students for placement in the Advanced Placement Spanish Language class. Listening, speaking, reading and writing skills will be refined through the intensive study of literary and practical Spanish written material. Grammatical skills and vocabulary development will be enhanced through compositions, reports, essays and debates. This course is communication based and emphasizes collaborative and communicative activities within the areas of listening, speaking, reading, writing, culture and learning skills.

Course Codes: 916007, 916008