



Career Technical Education

Advanced Graphic Communications

12126

Department: Career Technical Education

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Other (g)

NCAA: No

In this Capstone course, students will demonstrate their mastery of a compilation of skills by preparing a portfolio of original artwork which will be completed in digital format and evaluated on an ongoing basis through the use of programs and techniques including, but not limited to, 2D graphic design (i.e. branding, package design, advertising, illustration, animation, printed design, web design, type design, UX design), printmaking, digital imaging, and multi-media presentations and design. The student portfolio will be used as entry into post-secondary scholarship competitions, programs, and entry-level businesses in the arts, media, and entertainment industry. The course culminates with digital presentations of the students' concentrated efforts. This course may provide an opportunity for students to earn industry-recognized certification or transferrable college credits.

Pre-requisite(s): CTE AME Pathway 111 Concentrator Courses: Digital Art and Graphic Design II or Commercial Art or Photo II

Adopted curricular materials: No textbook assigned

Advanced Manufacturing I

12351

Department: Career Technical Education

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course focuses on the design of unique objects using three-dimensional modeling software. Students will learn the basics of G-code machine language and all relevant workshop mathematics. Advanced computer-aided design and modeling software will be taught. Student projects will be produced in wood, metal, and plastic using CNC routers, CNC mills, CNC plasma cutters, and 3D printers.

Pre-Requisite: Engineering Design A

Adopted curricular materials: None

AP Studio Art: 2-D Design

12128

Department: Career Technical Education

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This CTE Pathway course explores a very broad interpretation of two-dimensional design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The variety of art forms will include, but are not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting and printmaking. A variety of approaches of representation, abstraction, and expression will be covered.

Pre-requisite(s): Art II or Commercial Art/Graphics with a grade of C or better or by instructor approval

Adopted curricular materials: No textbook assigned

Business Finance

12010

Department: Career Technical Education

Grade Level: 12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: None

NCAA: No

This course is designed for students to apply math skills to personal and business situations: keeping money records, figuring wage income, commissions, saving and investing money, figuring home and transportation expenses, taxes, sales records, and more. Homework will be assigned on a regular basis. Students completing this course will receive math credit toward graduation.

Pre-requisite(s): Mathematics I

Adopted curricular materials: Mathematics for Business and Personal Finance, McGraw-Hill Education



Business Law

12022

Department: Career Technical Education

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course focuses on the origin of law, present court procedures, and the rights and duties of citizens. Students will become acquainted with laws governing businesses, as well as every day agreements (contracts). With lots of human interest (every legal problem involves rights and duties of people) relevant to our present society, this is an effective course to help develop analytical abilities. Study outside class time is necessary: cases will be analyzed; spelling and definition of legal terms is included.

Adopted curricular materials: Understanding Business & Personal Law, Glencoe

Computer Aided Design/Drafting (CADD)

12100

Department: Career Technical Education

Grade Level: 09-10

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: None

NCAA: No

Graduation Requirement: Technology Proficiency

This course is designed as the foundation for all other CADD courses. The focus is on developing computer-aided design/drafting skills, for those with little or no CADD experience, using Auto CADD software. Students are introduced to the computer hardware and the latest development of program and components. Lectures and exercises cover all the basic functions such as colors, dimensioning, layers, and blocks. Projects such as creating a vise are done to learn and practice the different drawing techniques involved. The class takes in all the fundamentals in making a full-fledged drawing from scaling to plotting.

Adopted curricular materials: Applying Auto-Cad, Glencoe

Computer Programming/C++

12135

Department: Career Technical Education

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Electives (g)

NCAA: No

This course introduces students to the C/C++ programming environment. Students will develop and select appropriate algorithms and data structures to solve problems; code fluently in a well-structured fashion using the programming language C++; read and understand a large problem and a description of the design and development process leading to such a program; identify the major hardware and software components of a computer system, their relationship to one another, and the roles of these components within the system; recognize ethical and social implications of computer use. Topics include C Library, a varied and useful resource.

Pre-requisite(s): C or better in one of the following: Intro to Computer Science A, Computer Science Principles, or AP Computer Science Principles

Adopted curricular materials: Introduction to Computer Science C++, South Western

Computer Science Principles

12115

Department: Career Technical Education

Grade Level: 10-11

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Other (g)

NCAA: No

This CTE Concentrator course aims to broaden participation in computer science and computing by introducing students to the main concepts of computer science by having them engage in computational thinking practices and learning how computing influences the world. The goal of this course is to provide students a foundation in computer science concepts and practices so that students learn to use reasoning. Students will engage in rigorous instruction in order to become active and informed citizens in a global and technologically-driven society.

Pre-requisite(s): None

Co-requisite: Mathematics II

Adopted curricular materials: Code.org



Computer Technology

12111

Department: Career Technical Education

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: Elective: Other (g)

NCAA: No

Graduation Requirement: Technology Proficiency

This is an introductory course providing students with general knowledge on how computers work, computer terminology, and the impact of computers on society and work environment. Students will explore digital safety and citizenship, keyboarding, word processing software, spreadsheet software, database software, programming, email, and the Internet. This course satisfies the EGUSD Technology Proficiency graduation requirement.

Adopted curricular materials: Discovering Computers & Microsoft Office 365 OFFICE 2016, A Fundamental Combined Approach, Cengage Learning

Computing with Robotics

12120

Department: Career Technical Education

Grade Level: 10-11

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course introduces students to the working principles of the foundational knowledge of robotics. Students learn to control a single robot and multiple robots by graphical user interface, pose teaching, and computer programs in C/C++. This course emphasizes hands-on robotics activities with a concentration on mathematical modeling, computer programming, and algorithm development for solving problems in math and science. Through hands-on problem-based projects, students develop critical thinking, problem solving, effective communication, and team work skills. Robots are used as platforms to engage students in collaboratively learning science, technology, and math.

Prerequisite(s): Exploring Computer Science

Adopted curricular materials: No textbook assigned

Design and Manufacturing

12330

Department: Career Technical Education

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course emphasizes aesthetics and creativity, design, drafting, and project manufacturing. Students will use tools and machines safely and efficiently to manufacture parts and products. Assigned and individualized projects, along with course work on the history of design and manufacturing, will be included. Tests will be given regularly and students will be expected to participate in projects and other assignments. Students must pass a safety test in the first five days to remain enrolled. No new enrollment will be permitted after the first five days of instruction.

Adopted curricular materials: No textbook assigned

Design Implementation

12320

Department: Career Technical Education

Grade Level: 09-10

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course will emphasize aesthetics and creativity, design, drawing, and project implementation. Sculpturing experiences in wood, metal, and clay will be included. Assigned and individualized projects along with course work on history of design and construction are also included. Tests will be given regularly and students will be expected to participate in projects and other assignments. Aesthetic judgment will be a part of the course.

Adopted curricular materials: No textbook assigned



Digital Art and Graphic Design II

12144

Department: Career Technical Education

Grade Level: 10-11

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Other (g)

NCAA: No

This course is designed to build upon the skills and techniques learned in Computers and Graphic Design and in the Digital Art course. Students will learn advanced tool skills in Adobe's Creative Suite (Photoshop, Illustrator, and InDesign). These skills will be applied to advanced personal and community projects. Students will have opportunities to work with real clients and explore careers in the field. Emphasis will be on expanding creative thinking as a valuable tool for visual problem solving and applying those skills in the marketplace. A professional attitude is required. Design process, terminology, history, and aesthetics will continue to be a focus.

Adopted curricular materials: No textbook assigned

Digital Art/Graphic Design Production

12143

Department: Career Technical Education

Grade Level: 09-10

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

Graduation Requirement: Technology Proficiency

This course allows students to study and practice several areas of contemporary graphic production and illustration with a strong emphasis on computer-generated art and graphics. This course is intended for art students who can work at an independent and mature level. Students will work with current software, hardware and graphic technologies and will learn about career opportunities in the graphic arts. Basic computer use and operation, as well as the basic elements of art and the principles of design, will be studied. In addition, art history, art appreciation, art criticism and judgment will be included in the course of study. Students are strongly recommended to complete Art I and Computer Technology prior to the class.

Adopted curricular materials: Communication Through Graphic Design, Davis Publishing

Digital Photography II

12166

Department: Career Technical Education

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This concentrator course in the Arts, Media, and Entertainment industry sector applies learning from Introductory and Intermediate Visual/Commercial Art in a project-based environment. Course work will focus on 2-D products and their application to arts-related industry and commercial environments. Skills and knowledge will be demonstrated in both the educational and work setting. Instruction will focus on applying student knowledge of digital photography, art, and design in creative environments. Students will create artistic and industry-standard products that demonstrate entry-level workforce skills and comprehensive knowledge of arts, media, and entertainment industry practices.

Pre-requisite: Photography I

Adopted curricular materials: No instructional materials assigned

Drafting I A/B

12101

Department: Career Technical Education

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course provides basic drafting tools, techniques and theories. It includes introduction to blueprint reading, basic drafting and machine drawing. Written assignments and basic drawing are required. An articulation agreement for college credit allows Advanced Placement agreement for college credit for students who complete both semesters of this course with a grade of B or better.

Pre-requisite(s): Drafting IA is required for enrollment in Drafting IB

Adopted curricular materials: No textbook assigned



Engineering A

12340

Department: Career Technical Education

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course is designed for students to engage in various hands-on activities to explore the nature of assorted engineering fields. During this exploration, students will gain insight into the educational requirements of the engineering profession, required skills for most engineers, and the roles and functions of engineers. In addition, through challenging and enjoyable projects, students will learn Newton's Laws of Motion, the cornerstone of engineering. Other problem-solving projects will focus on mechanical engineering, electronic engineering, structural engineering, and electrical engineering. While utilizing the engineering design process, students will design, develop, model, and test an engineering solution based on given criteria.

Pre-requisite(s): CADD at Pleasant Grove High School. Exploring Technology at Monterey Trail High School

Adopted curricular materials: No textbook assigned

Engineering B

12341

Department: Career Technical Education

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course is designed to build on the foundation begun in Engineering A. Students continue to survey aspects of the primary engineering disciplines and principles of engineering style problem solving. The course focuses on providing necessary introductory skills mastery of Auto CADD 2D and 3D functions required to visualize and document engineering and architectural designs. Assignments reflect introductory to moderate complexity and reflect industry standards for general graphics, design drawings and technical working drawings. Traditional technical drawing concepts are presented, as well as assignments in reading and interpreting various types of technical working drawings. Students also produce one research paper and various other written assignments related to engineering/architectural problem investigations.

Pre-requisite(s): Mathematics I or higher mathematics and Engineering A with a grade of C or better or instructor approval

Adopted curricular materials: No textbook assigned

Engineering Design A

12346

Department: Career Technical Education

Grade Level: 10-11

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Elective: Other (g)

NCAA: No

Graduation Requirement: Technology Proficiency

This is a year-long course designed to introduce design principles through the use of a variety of computer applications. Students will use current computer hardware and software to learn basic functions such as lines, colors, dimensioning, layers and blocks. Projects include a series of 2D mechanical, civil and introductory architectural drawings. Drawing fundamentals will be taught from conception to drawing and scaling to plotting. This course is aligned with the Career Technical Education Engineering and Design Industry Sector and supports select math, English, and history/social science standards.

Pre-requisite(s): Mathematics I and one of the following: CADD, Drafting I A/B, or Engineering Technology

Adopted curricular materials: Applying Auto CAD 2009, Glencoe/McGraw-Hill

Engineering Design B

12347

Department: Career Technical Education

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Other (g)

NCAA: No

This course is designed to advance engineering design principles through the three dimensional mechanical and architectural drawings. Students will review and reinforce basic computer-assisted drafting techniques and theories and then produce a series of advanced drawings. AutoCAD software, including Revit and Inventer applications, will be used to create 2D, 3D, parametric models, and simulations. Projects include a series of 3D mechanical drawings and a complete architectural drawing of a 1,200 square foot house. Design engineering occupations will be reviewed and USGBC LEED (Leadership in Energy and Environmental Design) principles will be taught, researched, and followed in the development on the house design. This course is aligned with the Career Technical Education Engineering and Design industry Sector and it supports math, English, science, and history/social science standards. Seniors enrolling in Engineering Design B may request senior year math credit for the course.

Pre-requisite(s): Mathematics I and Engineering Design A. Concurrent enrollment in Mathematics II or higher level math class

Adopted curricular materials: Applying Auto CAD 2009, Glencoe/McGraw-Hill

UC/CSU = College Approved, Grad Req = Graduation Requirement, NCAA = Student Athletes Eligible Course



Engineering Technology

12355

Department: Career Technical Education

Grade Level: 09-10

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course is designed to create an interest in engineering as a career goal and provide hands-on instruction in a variety of related technologies. Scientific principles, mathematical concepts, and communication skills are taught through an activity-oriented approach. Robotics, electronics, hydraulics, pneumatics, and computer design technologies will be explored by all students. Students will combine interdisciplinary skills to produce a final project including all steps of the design process.

Exploring Computer Science

12137

Department: Career Technical Education

Grade Level: 09-10

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Other (g)

NCAA: No

This course focuses on the creative, collaborative, interdisciplinary, and problem-solving nature of computing, featuring an inquiry-based approach to learning and teaching. As part of this curriculum, students will develop real-world computing problems that are culturally relevant and address social and ethical issues while delivering foundational computer science knowledge to students. Students will engage in several in-depth projects to demonstrate the real-world application of computing.

Pre-requisite(s): Computer Technology (recommended)

Adopted curricular materials: No textbook assigned

Exploring Technology

12350

Department: Career Technical Education

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course explores Computer Aided Drawing/Computer Aided Machining/Computer Aided Control milling and lathe machinery, aerodynamics, digital TV/Video production, small engine assembly, transportation, plastics, pneumatics, electronics, biotechnology, research and design, robotics, along with general hand tool usage and more. This course, along with an action based project presentation (PowerPoint) will provide students an opportunity to examine many different modern technologies as well as careers associated with them. Students who receive a pass on the district's speech requirement scoring rubric will fulfill the district's speech requirement. Students must be concurrently enrolled in Drafting 1A. This course may be repeated for a maximum of 10 credits.

Pre-requisite(s): Students must pass safety test within first 5 days of class. Students cannot enroll after 5th day of instruction.

Students who do not pass the safety test will be dis-enrolled from the course.

Adopted curricular materials: No textbook assigned

Fashion I

12530

Department: Career Technical Education

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Visual and Performing Arts (g)

NCAA: No

This course offers students an introduction to an exciting career pathway in fashion and merchandising and provides them with the background they will need to be successful within various career opportunities in the fashion industry. Students will learn the basics of design, sewing, marketing, and merchandising fashion products. This is a project-based class in which students will continue to build their 21st century skills in collaboration, communication, critical thinking, and creativity. It will culminate in two final semester projects that demonstrate their knowledge of design, illustration, basic sewing techniques, and apparel construction. In addition, this course provides an interdisciplinary approach to fashion design and merchandising through the integration of English Language Arts, Mathematics, Economics, History, and Visual Arts. This course will provide students various opportunities to meet the Speech Proficiency for Graduation Requirement.

Pre-requisite(s): Art I with a grade of C or better

Adopted curricular materials: Apparel Design, Textiles & Construction, 11th Edition; The Goodheart-Willcox Company



Fashion II

12535

Department: Career Technical Education

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Other (g)

NCAA: No

This course builds on the skills learned in Fashion I and expands students' knowledge of apparel design and construction. As part of the career development portion of this course, students take a deeper look at specific careers in the fashion and textile industry. Students gather work from various assignments, projects and labs to create a professional portfolio. This is a project-based course that uses an interdisciplinary approach to the fashion industry; science, math and technology will be applied in various areas of the fashion and textile design process to build career skills to develop fashion designs, illustrations, patterns, and textiles. Sewing is a key component of the course; basic and advanced sewing techniques will be used to complete two separate apparel construction projects.

Pre-requisite(s): Fashion I with a grade of C or better

Adopted curricular materials: Apparel Design, Textiles & Construction, 11th Edition; The Goodheart-Willcox Company

General Business

12500

Department: Career Technical Education

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course introduces students to the entire field of business careers, the function of money (making it as well as spending it), checking accounts, budgets, credit and purchasing. The course is a good foundation for other business courses.

Adopted curricular materials: Introduction to Business, McGraw-Hill Education

Green Energy Technology I

12751

Department: Career Technical Education

Grade Level: 10

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Science (g)

NCAA: No

This course is designed to engage students in hands-on/project based learning to explore the technology associated with solar energy and wind power. During this exploration, students will gain insights into the educational requirements for work in the rapidly growing field of Renewable Energy. They will develop the skills needed in the design and construction of a solar case and wind turbine. These large scale projects will interface and charge a battery/inverter system. Using the engineering design process, students then take these systems and design, develop, model and test a solution to an energy related issue. Throughout the course students will listen to speakers from the companies who have partnered with the academy, take field trips to energy related facilities, and explore the careers available in the Renewable Energy Industry.

Pre-requisite(s): Introduction to Green Energy Technology

Adopted curricular materials: Renewable Energy: Power for a Sustainable Future, Oxford University Press

Green Energy Technology II

12752

Department: Career Technical Education

Grade Level: 11

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Science (g)

NCAA: No

This course is designed to engage students in hands-on/project based learning to explore the technology associated with biofuels and alternative transportation. During this exploration, students will gain insights into the educational requirements for work in the rapidly growing field of Renewable Energy. Students will partner with mentors in the biofuel and alternative transportation fields of research, and work with these professionals to design and develop systems to create biofuels and modified electric vehicles. Using the engineering design process, students then take these products and design, develop, model and test a solution to an energy related issue. Throughout the course, students will listen to speakers from the companies who have partnered with the academy, take field trips to energy related facilities, and explore the careers available in the Renewable Energy Industry.

Pre-requisite(s): Intro to Green Energy Technology and Green Energy Technology I

Adopted curricular materials: Renewable Energy: Power for a Sustainable Future, Oxford University Press



Green Energy Technology III

12753

Department: Career Technical Education

Grade Level: 12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Science (g)

NCAA: No

This course is designed to place students into programs sponsored by academy partners. Internships, collaborative research and certification programs will be available through industry partners, union shop training programs, and post-secondary institutions. The research will be set in collaboration with institutions of higher learning and industries/corporations pursuing research and development. Internships will focus on job readiness, career planning and exposure to work in the energy and utilities job sector. Whether a student plans to attend a two or four year institution, enter into a career technical education training program, or go directly into the workforce upon graduation, the senior GETA course will uniquely prepare each student for post-secondary success.

Pre-requisite(s): Intro to Green Energy Technology, Green Energy Technology I and Green Energy Technology II

Adopted curricular materials: Renewable Energy: Power for a Sustainable Future, Oxford University Press

Green Energy Technology, Introduction to

12750

Department: Career Technical Education

Grade Level: 09

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This freshman level course surveys the technology of renewable energy and expectations in the work place. Topics include solar, wind, biofuels, hydrogen fuel cells, and hydroelectric and geothermal sources of energy. Small modules such as solar cookers, solar race cars, small wind turbines, small scale methane production plants, water wheels/turbines, and hydrogen fuel cell race car kits will be used to explore these subjects. Students will also be exposed to career planning, responsibility and flexibility, ethics and legal responsibilities, and leadership and teamwork as they relate to the Energy and Utilities Industry Sector. Speakers from post-secondary institutions and industry partners will regularly present to students.

Adopted curricular materials: Renewable Energy: Power for a Sustainable Future, Oxford University Press

Principles of Engineering A

12344

Department: Career Technical Education

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Other (g)

NCAA: No

This course is designed for students to engage in various hands-on activities to explore the nature of assorted engineering fields. During this exploration, students will gain insight into the educational requirements of the engineering profession, required skills for most engineers, and the roles and functions of engineers. Problem-solving projects will focus on mechanical engineering, electronic engineering, structural engineering, and electrical engineering. While utilizing the engineering design process, students will design, develop, model, and test an engineering solution based on given criteria. Students will create an engineer's portfolio documenting their skills and knowledge gained throughout the year, and they will catalog all the stages of the design process of their student projects.

Pre-requisite(s): Mathematics I

Adopted curricular materials: No textbook assigned

Principles of Engineering B

12345

Department: Career Technical Education

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: Elective: Other (g)

NCAA: No

This course is designed to build on the foundation begun in Principles of Engineering A. Students continue to survey aspects of the primary engineering disciplines and principles of engineering style of problem solving. The course focuses on the engineering and technology found in the field of green energy. Students will collaborate and develop solutions to design problems using the design process learned in Principles of Engineering A. Physics concepts that pertain to the various discussed engineering fields will be taught and demonstrated through end-of-project reports and presentations. Technologies explored include, water reclamation and pumping systems, solar water heaters, wind turbine generators, and micro-hydroelectricity.

Pre-requisite(s): Mathematics I or higher level math class and Principles of Engineering A

Adopted curricular materials: No textbook assigned



Sports Therapy I

12400

Department: Career Technical Education

Grade Level: 10

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course is designed to give students an opportunity to explore the various careers available in the sports industry and to learn the workplace skills necessary to succeed in any career field, including goal-setting, leadership, problem-solving, and communication.

Adopted curricular materials: No textbook assigned

Sports Therapy II

12401

Department: Career Technical Education

Grade Level: 11

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This two-semester course will provide participants with skills in athletic training, physical therapy, and fitness instruction.

Background information in basic anatomy and physiology, nutrition, ethical and legal issues involved in medicine, and medical terminology will be provided. Participants will also receive training in First Aid and CPR. Course content will include the care and prevention of athletic injuries, therapeutic treatments, and rehabilitation exercises. Students will learn the proper use of fitness equipment and will design appropriate exercise programs.

Adopted curricular materials: Fundamentals of Athletic Training, Human Kinetics

Sports Therapy III

12402

Department: Career Technical Education

Grade Level: 12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course is designed to engage students in advanced topics of physical therapy, rehabilitation, nutrition, exercise fitness, and sport performance. Students will study theories and perform therapeutic, exercise, and sport evaluation techniques. Students will design, evaluate, and execute a professional program based on the following fields of study: physical therapy, rehabilitation, weight management, personal fitness, or sport performance. Participants will also receive training in First Aid and CPR.

Pre-requisite(s): Enrollment in the Sports Careers Academy. Health with a grade of C or better, Human Anatomy and Physiology, and 20 credits of physical education

Adopted curricular materials: Fundamentals of Athletic Training, Human Kinetics

Web Design and Development, Intermediate

12139

Department: Career Technical Education

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course offers work continuing from XHTML coding in Web Design and Development class to intermediate Web Design topics. Topics include an extensive study of cascading style sheets, as well as the construction and use of DHTML and JavaScripts.

Students will have the knowledge and vocabulary to critique and review the changing style and application of web design.

Pre-requisite(s): Web Design & Development with a grade of C or better

Adopted curricular materials: No textbook assigned

Web Development

12132

Department: Career Technical Education

Grade Level: 10-11

Credits: 10.0

Graduation Requirement: Career Technical Education

UC/CSU: None

NCAA: No

This course is an introduction to publishing on the World Wide Web (WWW). Students will design aesthetically pleasing websites using HTML, CSS, and JavaScript and make extensive use of the computer tools necessary to insert HTML tags, create images, and view web documents. Topics include the separation of content from presentation, dynamic user interaction, and designing for alternative devices using Cascading Style Sheets. This course prepares apprentice web designers and publishers to identify the information needs for a website, design and determine appropriate World Wide Web solution, and implement it. Students will also learn about current trends and technologies in the field of Web Page Design, including XHTML.

Pre-Requisite: Computer Technology

Adopted curricular materials: <https://www.w3schools.com>

UC/CSU = College Approved, Grad Req = Graduation Requirement, NCAA = Student Athletes Eligible Course



Electives

Ability Awareness

07000

Department: Electives

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course offers students the opportunity to be peer tutors working with students with disabilities at their school. Students will be able to explain the different types of disabilities and assistive technology utilized to support students, as well as be able to use and interact with various types of adaptive equipment. Students will help teach students with disabilities many important daily living tasks and will accompany students to other classes and campus events. They will also help students with disabilities interact with others who don't have disabilities. Students will also learn about different disabilities and gain new insights about having a disability in school and in society.

Adopted curricular materials: No textbook assigned

Academic Competitions

07539

Department: Electives

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed to promote leadership, organizational skills, critical analysis, and provide guided preparation time for students participating in the following academic competitions: Academic Decathlon, Academic Olympics, MESA, Mock Trial, Moot Court, Mathletes, Science Olympiad, Science Fair, Speech and Debate, and History Day. Other activities, such as advanced placement test preparation, may be approved at the instructor's discretion. Enrolled students may choose Pass/No Pass grading, variable credits, and/or limited-term enrollment with instructor approval. This course may be repeated for a maximum of 40 credits. This course will meet zero period only.

Pre-requisite(s): Instructor approval

Adopted curricular materials: No textbook assigned

Advocacy 10

14010

Department: Electives

Grade Level: 10

Credits: 0.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed to provide students with personalized academic guidance along with a connection between the student, teacher, counselor, and the school. Students will learn study skills that can be applied across disciplines and will receive basic academic guidance each year from their assigned advocacy teacher. This course is Pass/No Pass.

Adopted curricular materials: No textbook assigned

Advocacy 11

14011

Department: Electives

Grade Level: 11

Credits: 0.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed to provide students with personalized academic guidance along with a connection between the student, teacher, counselor, and the school. Students will learn study skills that can be applied across disciplines and will receive basic academic guidance each year from their assigned advocacy teacher. This course is Pass/No Pass.

Adopted curricular materials: No textbook assigned

Advocacy 12

14012

Department: Electives

Grade Level: 12

Credits: 0.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed to provide students with personalized academic guidance along with a connection between the student, teacher, counselor, and the school. Students will learn study skills that can be applied across disciplines and will receive basic academic guidance each year from their assigned advocacy teacher. This course is Pass/No Pass.

Adopted curricular materials: No textbook assigned



Advocacy 9

14009

Department: Electives

Grade Level: 09

Credits: 0.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed to provide students with personalized academic guidance along with a connection between the student, teacher, counselor, and the school. Students will learn study skills that can be applied across disciplines and will receive basic academic guidance each year from their assigned advocacy teacher. This course is Pass/No Pass.

Adopted curricular materials: No textbook assigned

Advocacy Multiple Grade Levels

14013

Department: Electives

Grade Level: 09-12

Credits: 0.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed to provide students with personalized academic guidance along with a connection between the student, teacher, counselor, and the school. Students will learn study skills that can be applied across disciplines and will receive basic academic guidance each year from their assigned advocacy teacher. This course is Pass/No Pass.

Adopted curricular materials: No textbook assigned

AVID 10

09010

Department: Electives

Grade Level: 10

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: Elective: Other (g)

NCAA: No

The AVID (Advancement Via Individual Determination) Program is a four-year college preparatory class for under-represented students who demonstrate academic potential. The goals of the program are to provide academic instruction and other support to students to prepare them for four-year college and university eligibility, give students college-level entry skills, and motivate them to pursue a college education.

Adopted curricular materials: No textbook assigned

AVID 11

09011

Department: Electives

Grade Level: 11

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: Elective: Other (g)

NCAA: No

The AVID (Advancement Via Individual Determination) Program is a four-year college preparatory class for under-represented students who demonstrate academic potential. The goals of the program are to provide academic instruction and other support to students to prepare them for four-year college and university eligibility, give students college-level entry skills, and motivate them to pursue a college education.

Adopted curricular materials: No textbook assigned

AVID 9

09009

Department: Electives

Grade Level: 09

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: Elective: Other (g)

NCAA: No

The AVID (Advancement Via Individual Determination) Program is a four-year college preparatory class for under-represented students who demonstrate academic potential. The goals of the program are to provide academic instruction and other support to students to prepare them for four-year college and university eligibility, give students college-level entry skills, and motivate them to pursue a college education.

Adopted curricular materials: No textbook assigned



AVID Senior Seminar

09012

Department: Electives

Grade Level: 12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: Elective: Other (g)

NCAA: No

This course involves substantial critical reading and writing, and participating in, as well as conducting, regularly scheduled Socratic Seminars. AVID students will receive assistance and guidance in applying for college, researching financial aid and housing, registering for entrance and placement exams, preparing for Senior Project, and preparing for external examinations in the spring. The AVID Senior Seminar is divided into four quarters of emphasis, leading to the student's acceptance at a four-year college or university. Quarter one - Gaining Admission; Quarter two - Becoming a College Student; Quarter three - Placement and External Exam Preparation; Quarter four - Selecting a Major and Career Emphasis.

Adopted curricular materials: No textbook assigned

AVID Tutorial

09014

Department: Electives

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

Students enrolled in AVID (Advancement Via Individual Determination) will receive academic and social support to assist them with preparing for college and career. Students will be taught skills and behaviors for academic success and will be provided with intensive support with tutorials and strong student/teacher relationships.

Adopted curricular materials: No textbook assigned

Community Service

07014

Department: Electives

Grade Level: 09-12

Credits: 0.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course provides students with the opportunity to enhance personal and interpersonal development through service learning. It is designed to help students develop awareness of themselves as a community member and promote a sense of responsibility to contribute to humanitarian issues around the world. Community service is designed to provide opportunities for students to be of service in their communities. Students who complete community service requirements learn the value of giving to others, learn about public relations, and build contacts within the community. Students may have interest in volunteering at animal shelters, churches, schools, food pantries, libraries, hospitals, nursing homes, political campaigns, or community organizations such as Red Cross, Salvation Army, or Habitat for Humanity. Course requirements and hours of service vary from year-to-year and from school-to-school. Check with your school counselor or Advocacy teacher for more information and requirements. This course is Pass/No Pass.

Adopted curricular materials: No textbook assigned

Conflict Manager

07009

Department: Electives

Grade Level: 10-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course provides training to help students deal with conflicts such as verbal conflicts, fights, rumor control and peer pressure. This course is Pass/No Pass.

Pre-requisite(s): 2.5 grade point average, good attendance, and completed aide application

Adopted curricular materials: No textbook assigned



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Government and Leadership

07512

Department: Electives

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed for students who hold elected or appointed positions in student government or leadership positions. These students may enroll in Leadership. This class assists students in developing leadership skills and provides for the planning and implementation of Associated Student Body activities. This course may be repeated for each year a student is elected to student government for a maximum of 40 credits.

Pre-requisite(s): Elected or appointed student government or leadership position

Adopted curricular materials: No textbook assigned

IB Theory of Knowledge 11

20001

Department: Electives

Grade Level: 11

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: Elective: English (g)

NCAA: Yes

This elective IB course is required for all IB diploma students in the second semester of their junior year and the first semester of their senior year. It is also open to non-IB students in the same grades who are interested in exploring knowledge issues. The course will introduce students to epistemology (the investigation of the origin, nature, methods, and limits of human knowledge) and will teach students to examine how human beings gain or attempt to gain knowledge (through sense perception, reason, language, emotion), how we can justify knowledge claims (spotting logical fallacies, appropriate logic, evidence, coherence, and pragmatism), avoid pitfalls of knowledge issues (skepticism, relativism, gullibility, bias), and analyze how knowledge is constructed in different areas of knowledge (mathematics, the natural sciences, the human sciences, history, the arts, and ethics). The focus of the course will be on the knower (the student), enabling students to become conscious of their own experiences as learners (as individuals and members of larger communities and cultures); students will also be taught to analyze and evaluate knowledge issues from multiple perspectives, comparing divergent approaches to human understanding and behavior and realizing the personal, communal, and global responsibilities that come with knowledge. Participants in the course will be expected to write regularly in anticipation of and including their 1200-1600 word essay on a prescribed title (determined by IB) and to participate actively in Socratic seminars, student-centered activities, and presentations pertaining to knowledge issues (including the internally assessed presentation required by the IB).

Adopted curricular materials: Theory of Knowledge for the IB Diploma, Cambridge University Press

IB Theory of Knowledge 12

20002

Department: Electives

Grade Level: 12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: Elective: English (g)

NCAA: Yes

This elective IB course is required for all IB diploma students in the second semester of their junior year and the first semester of their senior year. It is also open to non-IB students in the same grades who are interested in exploring knowledge issues. The course will introduce students to epistemology (the investigation of the origin, nature, methods, and limits of human knowledge) and will teach students to examine how human beings gain or attempt to gain knowledge (through sense perception, reason, language, emotion), how we can justify knowledge claims (spotting logical fallacies, appropriate logic, evidence, coherence, and pragmatism), avoid pitfalls of knowledge issues (skepticism, relativism, gullibility, bias), and analyze how knowledge is constructed in different areas of knowledge (mathematics, the natural sciences, the human sciences, history, the arts, and ethics). The focus of the course will be on the knower (the student), enabling students to become conscious of their own experiences as learners (as individuals and members of larger communities and cultures); students will also be taught to analyze and evaluate knowledge issues from multiple perspectives, comparing divergent approaches to human understanding and behavior and realizing the personal, communal, and global responsibilities that come with knowledge. Participants in the course will be expected to write regularly in anticipation of and including their 1200-1600 word essay on a prescribed title (determined by IB) and to participate actively in Socratic seminars, student-centered activities, and presentations pertaining to knowledge issues (including the internally assessed presentation required by the IB).

Adopted curricular materials: Theory of Knowledge for the IB Diploma, Cambridge University Press



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Link Crew

07529

Department: Electives

Grade Level: 10-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed to assist and support students with acclimating to high school. Students enrolled in this course are provided training to be Link Crew leaders and mentors to help freshman students with academic success, character development, student engagement, and promoting a positive school climate. Team building, organization, leadership development, communication, facilitation skills, and personal development are components of this course.

Adopted curricular materials: No textbook assigned

Office Assistant

07508

Department: Electives

Grade Level: 11-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course introduces students to various tasks assigned under supervision of school personnel. The location of the work and the type of work vary and may include office work, library work, instructional support, etc. Counselors will apprise interested students of the types of aides courses offered at the school site. Juniors and seniors may be student aides for one or two semesters. No more than a total of ten credits of student aide may be used toward graduation. Student aides will be selected from among those who submitted applications with their course selection forms. Applications are available from the counseling secretary. This course is Pass/No Pass. This course may be repeated for a maximum of 10 credits.

Pre-requisite(s): 2.5 grade point average, good attendance, and completed aide application

Adopted curricular materials: No textbook assigned

Peer Counseling I

07519

Department: Electives

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed to rotate every other day for the entire year with Student Leadership Development. This course will help students develop skills in conflict mediation. Students interested in becoming conflict managers, peer counselors, mentors, peer educators, and a part of Link Crew are asked to register. Applications and interviews will occur before students are admitted into this class.

Adopted curricular materials: No textbook assigned

Peer Tutor

07506

Department: Electives

Grade Level: 11-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed for students to learn how to effectively work with small groups of students in a variety of content areas. An emphasis will be placed on employing inquiry strategies and incorporating AVID methodologies in peer tutoring groups. Student applications and interviews will occur before students are admitted into this class. Course may be repeated for a maximum of 10 credits. This course is Pass/No Pass.

Adopted curricular materials: No textbook assigned



Scholars

07575

Department: Electives

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course focuses on "knowing how you know." Building upon a reflective process of how knowledge is gained, the course will promote critical thinking skills that will help students become successful scholars in both high school and post high school educational settings. This course will help students develop the learning habits, ways of thinking, study skills, organizational strategies, and planning exhibited by successful students at all levels. Students will examine how knowledge is achieved and used in the following curricular areas: language, math, social science, science, and the arts. As students proceed through high school and acquire knowledge in the different subjects, they will have a better understanding of the effects of reason, logic, and language. The course will require students to use their cognitive skills to critically interact with their learning so that they become consumers of knowledge.

Adopted curricular materials: No textbook assigned

Student Leadership Development

07511

Department: Electives

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This year-long course focuses on the development of interpersonal and interpersonal leadership skills. Effective oral and written communication will be studied with an emphasis on identifying and implementing effective leadership strategies. Skills such as time management, stress management, positive role modeling, effective group interactions and group facilitation skills will also be emphasized.

Adopted curricular materials: No textbook assigned

Student Store

07507

Department: Electives

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

Study Skills

07552

Department: Electives

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed to teach, develop, and support the study and technical skills which will support students' successful completion of enrolled courses of study. Content will include time and materials management, comprehension techniques such as note-taking, test preparation, and test-taking skills.

Adopted curricular materials: No textbook assigned

Teacher Assistant

07509

Department: Electives

Grade Level: 11-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course introduces students to various tasks assigned under supervision of a certificated teacher. Juniors and seniors may be a teacher assistant for one or two semesters; however, no more than ten credits of this course may be used toward graduation. Teacher assistants will be selected from among those who submit applications during the course selection process. Please see the Counseling department for application information. This course is Pass/No Pass. This course may be repeated for a maximum of 10 credits.

Pre-requisite(s): 2.5 grade point average, good attendance, and completed aide application

Adopted curricular materials: No textbook assigned



English

College and Career Writing I

02711

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This English elective writing course is designed to build language, improve literacy skills, and provide high-interest issues that prepare English Learners for college and career. The academic emphases of this course are language development, academic vocabulary acquisition, and the development of written language skills. Student-centered activities are culturally and linguistically responsive, while simultaneously teaching students effective communication strategies. Students engage in lessons with culminating writing and oral projects that equip today's College and Career bound English Learner with the communicative confidence and competence needed to realize their academic and personal potential.

Pre-requisite(s): Placement by site's English Learner (EL) team

Co-requisite: 9-12 grade student who is either a LTEL or Struggling Redesignated Fluent (RF)

Adopted curricular materials: English 3D, Course C/II

College and Career Writing II

02713

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This English elective writing course is designed to build language, improve literacy skills, and provide high-interest issues that prepare English Learners for college and career. The academic emphases of this course are language development, academic vocabulary acquisition, and the development of written language skills. Student-centered activities are culturally and linguistically responsive, while simultaneously teaching students effective communication strategies. Students engage in lessons with culminating writing and oral projects that equip today's College and Career bound English Learner with the communicative confidence and competence needed to realize their academic and personal potential.

Pre-requisite(s): Placement by site's English Learner (EL) team

Co-requisite: 9-12 grade student who is either a LTEL or Struggling Redesignated Fluent (RF)

Adopted curricular materials: English 3D, Course C/II

EL English Intensive Course I

02802

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: English

UC/CSU: None

NCAA: No

This course provides English Learners with fundamental skills in reading, writing, speaking, and listening via a rigorous and rich academic curriculum that begins preparing students for college and career success. This course builds language and literacy proficiency with robust instruction, accessible instructional level text, close reading of grade level text, and multiple short and in-depth integrated reading and writing opportunities.

Pre-requisite(s): Initial identification should be determined by multiple measures (CELDT/ELPAC, SBAC/CAASPP, primary language proficiency, etc.); however, the program placement assessment should be used to determine specific course placement.

Adopted Curricular Materials: Edge Fundamentals, National Geographic Learning/Cengage Learning

EL English Intensive Course II

02803

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: English

UC/CSU: None

NCAA: No

This course provides English Learners with the next level of skills in reading, writing, speaking, and listening via a rigorous and rich academic curriculum that continues preparing students for college and career success. This course builds language and literacy proficiency with robust instruction, accessible instructional level text, close reading of grade level text, and multiple short and in-depth integrated reading and writing opportunities.

Pre-requisite(s): Initial identification should be determined by multiple measures (CELDT/ELPAC, SBAC/CAASPP, primary language proficiency, etc.); however, the program placement assessment should be used to determine specific course placement.

Adopted curricular materials: Edge Level A, National Geographic Learning/Cengage Learning



EL English Intensive Course III

02804

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: English

UC/CSU: English (b)

NCAA: No

This course provides English Learners with the next level of skills in reading, writing, speaking, and listening via a rigorous and rich academic curriculum that continues preparing students for college and career success. This course builds language and literacy proficiency with robust instruction, accessible instructional level text, close reading of grade level text, and multiple short and in-depth integrated reading and writing opportunities.

Pre-requisite(s): Initial identification should be determined by multiple measures (CELDT/ELPAC, SBAC/CAASPP, primary language proficiency, etc.); however, the program placement assessment should be used to determine specific course placement.

Adopted curricular materials: Edge Level B, National Geographic Learning/Cengage Learning

EL English Intensive Course IV

02805

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: English

UC/CSU: English (b)

NCAA: No

This course provides English Learners with the next level of skills in reading, writing, speaking, and listening via a rigorous and rich academic curriculum that continues preparing students for college and career success. This course builds language and literacy proficiency with robust instruction, accessible instructional level text, close reading of grade level text, and multiple short and in-depth integrated reading and writing opportunities.

Pre-requisite(s): Initial identification should be determined by multiple measures (CELDT/ELPAC, SBAC/CAASPP, primary language proficiency, etc.); however, the program placement assessment should be used to determine specific course placement.

Adopted curricular materials: Edge Level C, National Geographic Learning/Cengage Learning

EL Language Lab

02860

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This elective course emphasizes intensive instruction, in a small group setting (20 or fewer students), to improve student's competencies with listening, speaking, reading, and writing, through the development of the basic domains of English, e.g., pronunciation, letter sounds and units of meaning, syntax, spoken and written communication, as well as, computer literacy skills. The students will benefit from support provided for their academic courses by participating in homework assignment groups on a daily basis. Concurrent enrollment within both English Language Development and the ELL Lab will enable the students to more quickly progress toward reaching English fluency and mastering the language arts content standards. Primary language support is available, when necessary, to help students understand homework and the concepts of mathematics, science, and history. This course is repeatable for up to 40 credits.

Co-requisite: Concurrent enrollment in English 9, English 10, English 11, or English 12

Adopted curricular materials: Study Sync, McGraw-Hill Education or Edge, National Geographic Learning, Hampton-Brown (dependent upon students' core English course)

ELA Literacy 9-12

02611

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: English

UC/CSU: None

NCAA: No

This English/Language Arts (ELA) course is an intensive intervention class designed for students who have a multi-year trend of being more than two years below grade level in reading and who have demonstrated eligibility for the course based on targeted assessments. The goal of this course is to accelerate student learning for the purpose of being able to exit the course and to be successful with grade-level ELA and literacy standards in all content areas. This course may be repeated for a maximum of 40 credits.

Pre-requisite(s): Placement by site intervention team based on identified district data criteria and assessments

Adopted curricular materials: California Language! Live, Voyager Sopris Learning, Inc.



English 10

02100

Department: English

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: English

UC/CSU: English (b)

NCAA: Yes

This course is designed toward integrating reading, writing, listening, and speaking, and utilizing higher order thinking skills. This course's standards-based instruction will include literature and expository writing, language mechanics and usage, and vocabulary development in meaningful contexts. Various literary and expository genres such as the short story, novel, drama, poetry, biography, and essay will be studied. Whenever possible, connections will be made between the language arts areas and the 10th grade world history course. Writing instruction, based primarily upon expository text and literature studied in the course, will center on a variety of models and writing as a process as well as writing on demand.

Adopted curricular materials: CA StudySync 10, McGraw-Hill Education

English 10 Honors

02130

Department: English

Grade Level: 10

Credits: 10.0

Graduation Requirement: English

UC/CSU: English (b)

NCAA: Yes

This honors course has been revised to align with University of California's Honors distinction criteria and provides students with rigorous instruction aligned to the California state standards. It is intended to prepare students for success in AP or IB level English classes. A balance of rich literature and thought-provoking informational texts, along with a variety of mixed mediums such as novels, visual/auditory presentations, and multi-media, offers student the opportunity to hone their critical reading and thinking skills. Students will demonstrate their understanding of the texts through a variety of assignments and culminating writing projects that place emphasis on analysis, synthesis, and research. This EGUSD honors course is recognized as an honors level course by UC/CSU and earns a GPA enhancement by both EGUSD and UC/CSU.

Pre-requisite(s): English 9 or English 9 Honors

Adopted curricular materials: Advanced Language & Literature, for Honors and pre-AP English Courses, Bedford/St. Martin's

English 11

02200

Department: English

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: English

UC/CSU: English (b)

NCAA: Yes

This course provides an integrated language arts approach within an enriched standards-based curriculum focusing on American writers and the study of American literature. Students will examine the literature (which may include short stories, drama, poetry, novels, essays, and biographies) in the context of thematic and/or historical connections. By participating in appropriate reading, writing, and oral language activities, students will broaden their understanding of American culture and literature. This course will prepare students for critical reading and college-level writing.

Adopted curricular materials: CA StudySync 11, McGraw-Hill Education

English 12

02300

Department: English

Grade Level: 12

Credits: 10.0

Graduation Requirement: English

UC/CSU: English (b)

NCAA: Yes

This course offers standards-based integrated language arts instruction designed to address the unique needs of seniors who are preparing for the transition from high school to college and/or career. Students will study representative works of world literature in the context of thematic and/or historical connections to broaden their cultural perspectives. Writing domains emphasized in the course will lend themselves to interdisciplinary topics as well. This course will prepare students for critical reading and college-level writing.

Adopted curricular materials: CA StudySync 12, McGraw-Hill Education



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English 9

02000

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: English

UC/CSU: English (b)

NCAA: Yes

This course is designed to address the state content standards in reading, writing, listening, and speaking in an integrated approach to English/language arts, utilizing higher order thinking skills. Instruction will include reference skills, study and test-taking skills, writing, reading expository text and literature, language mechanics and usage, and vocabulary development in meaningful contexts. This class will study various and expository literary genres including the short story, novel, drama, poetry, biography, and essay. Writing instruction, based primarily upon expository text and literature studied in the course, will center on a variety of models and writing as a process as well as writing on demand.

Adopted curricular materials: CA StudySync 9, McGraw-Hill Education

English 9 Honors

02030

Department: English

Grade Level: 09

Credits: 10.0

Graduation Requirement: English

UC/CSU: English (b)

NCAA: Yes

This advanced course focuses on an integrated language arts approach within an enriched standards-based curriculum focusing on writers and the study of a variety of literary and exposition genres. It also includes a wide range of challenging literature. Instruction will focus on reference skills, study and test-taking skills, writing, language mechanics and usage, and vocabulary development. Writing instruction, based primarily upon expository text and literature studied in the course, will center on a variety of models and writing as a process as well as writing on demand. This course will prepare students for critical reading and college-level writing. Note: This course is not granted "honors" credit by the UC system. This EGUSD honors course is not recognized as an honors level course by UC/CSU. It earns an EGUSD GPA enhancement but does NOT earn a GPA enhancement by UC/CSU.

Adopted curricular materials: CA StudySync 9, McGraw-Hill Education

IB English HL1

20021

Department: English

Grade Level: 11

Credits: 10.0

Graduation Requirement: English

UC/CSU: English (b)

NCAA: Yes

In this course, students study a wide range of literary and non-literary texts in a variety of media. By examining communicative acts across literary form and textual type alongside appropriate secondary readings, students will investigate the nature of language itself and the ways in which it shapes and is influenced by identity and culture. Approaches to study in the course are meant to be wide-ranging and can include literary theory, sociolinguistics, media studies, and critical discourse analysis among others.

Adopted curricular materials: English A: Language and Literature, Course Companion, 2nd Edition, Copyright 2019, Oxford University Press

IB English HL2

20022

Department: English

Grade Level: 12

Credits: 10.0

Graduation Requirement: English

UC/CSU: English (b)

NCAA: Yes

In this course, students study a wide range of literary and non-literary texts in a variety of media. By examining communicative acts across literary form and textual type alongside appropriate secondary readings, students will investigate the nature of language itself and the ways in which it shapes and is influenced by identity and culture. Approaches to study in the course are meant to be wide ranging and can include literary theory, sociolinguistics, media studies, and critical discourse analysis among others.

Adopted curricular materials: English A: Language and Literature, 2nd Edition, Oxford University Press



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Literary Publications I

02631

Department: English

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This elective course is designed for students at all grade levels, but particularly for sophomores and juniors who wish to gain skills which may enable them to work on high school publications. The class provides an introduction of basic journalistic skills for students considering a career in journalism. District Publication Standards will be applied. One semester of this course is the first requirement of the media major in journalism. It may be taken either semester long for 5 credits or all year for a maximum of 10 credits.

Adopted curricular materials: No textbook assigned

Public Speaking I

02641

Department: English

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: Elective: English (g)

NCAA: Yes

Graduation Requirement: Speech Proficiency

This one-semester elective course is designed for students who would like to gain more poise and confidence in their communication skills. Course content may include individual speeches, such as the personal experience, demonstration, informative, persuasive and impromptu, as well as narrative speaking, oral interpretation of prose and/or poetry, original oratory, and debate. In addition, students will work on group projects that may consist of commercials, the interview, discussion groups that deal with problem solving, and original script writing for a group television program. Students may also be videotaped on occasion, utilizing that medium to critique their speeches and motivate them to become better communicators. This class will satisfy the District's Speech Proficiency requirement.

Adopted curricular materials: No textbook assigned

Writing to Discuss and Debate

02710

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This English elective course is designed to build language, improve literacy skills, and expand content knowledge for Long-Term English Learners (LTEL) and Struggling Redesignated students. The academic areas of emphasis in this course are language development, academic vocabulary acquisition, and the development of written language skills. Thematic units ensure that students make connections to science, math, and social studies core content areas. Instruction includes student-centered activities that are culturally and linguistically responsive while simultaneously teaching students effective reading strategies. Students engage in lessons with culminating writing and oral projects which are supported by the use of research-based best practices for teaching the listening, speaking, reading, and writing required in order to equip today's English Learner with the communicative confidence and competence needed to realize their academic and personal potential.

Pre-requisite(s): Placement by site's EL team

Co-requisite: 9-12 grade student who is either a LTEL or Struggling RF

Adopted curricular materials: English 3D, Course B, Volume 2

Yearbook

02635

Department: English

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed to be the actual production of the high school yearbook. Students will write and prepare copy and learn the techniques of yearbook layout and production. Students will be expected to work on a specific staff, meet all deadlines as set by the instructor, and participate in book sales. Students must also participate in all other related yearbook activities and distribution. This course may be repeated for a maximum of 40 credits.

Pre-requisite(s): Staff member selection will be by application and instructor approval only

Adopted curricular materials: No textbook assigned



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Health

Health

15000

Department: Health

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Health

UC/CSU: None

NCAA: No

This course focuses on health promotion, disease prevention, and risk reduction. Topics may include substance use and abuse, comprehensive sexual health education, human trafficking, nutrition, first aid, hands-on compression-only CPR and AED instruction, health-related physical fitness concepts, hygiene, mental health/self-esteem, and health-related careers.

Adopted curricular materials: Health, Glencoe



History/Social Science

American Government

01310

Department: History/Social Science

Grade Level: 12

Credits: 5.0

Graduation Requirement: American Government

UC/CSU: History/Social Science (a)

NCAA: Yes

This course is designed to prepare students to assume their rights and responsibilities as citizens, which is required for graduation. To achieve this, various branches and key agencies of our government, from the local to the national level, will be studied. Civil rights, affirmative action, the ERA, and the criminal justice system will be emphasized. Resource speakers will be utilized to help students understand the major issues which affect the government today and the process by which political decisions are made. Adopted curricular materials: Impact California Social Studies: Principles of American Democracy, Copyright 2019, McGraw-Hill Education

AP Government and Politics United States

01330

Department: History/Social Science

Grade Level: 12

Credits: 5.0

Graduation Requirement: American Government

UC/CSU: History/Social Science (a)

NCAA: Yes

This course is designed for students who want to complete the equivalent of a one-semester college introductory course in American Government and Politics. Students will engage in an intense study of the constitutional foundation of American government; the citizen base of politics; political parties and interest groups; the institutions of the national, state, and local governments; the policy-making process; and civil rights and civil liberties. This class will require extensive reading, writing, and research. Upon completion, students will be eligible to take the AP examination in government. Adopted curricular materials: American Politics Today, 5th Edition High School Edition, W. W. Norton & Company, Inc.

AP Psychology

01620

Department: History/Social Science

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: Elective: History/Social Science (g)

NCAA: Yes

This course introduces students to the systematic and scientific study of the behavioral and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each major sub field within psychology. Students will also learn about the methods psychologists use to explore the processes involved in normal and abnormal perceptions, thoughts, feelings, and actions. Adopted curricular materials: Myers' Psychology for AP, Worth Publishers

Cultural Studies

01606

Department: History/Social Science

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: Elective: History/Social Science (g)

NCAA: No

This course explores a number of topics such as the histories of African Americans, Latinos, Filipinos, Chinese, Japanese, Native Americans, and women in the United States. Racism, prejudice, stereotyping, and other forms of discrimination will also be examined. Students will become aware of minority struggles and contributions of minority groups to American life. A major part of the course will consist of films, field trips, guest speakers, and special cultural activities. Adopted curricular materials: No textbook assigned

Economics

01420

Department: History/Social Science

Grade Level: 12

Credits: 5.0

Graduation Requirement: Economics

UC/CSU: Elective: History/Social Science (g)

NCAA: Yes

This course introduces the basic principles of all economic systems with special emphasis on a market-based system. This course is required for graduation. Specific topics include the basic principles of decision-making, scarcity, opportunity, cost, and the principles of supply and demand. These principles are examined from individual, national, and international perspectives. This course is designed to give students the necessary tools to analyze their own personal decision making as well as to evaluate the decisions of an individual firm, or the nation as a whole. Adopted curricular materials: Impact California Social Studies: Principles of Economics, Copyright 2019, McGraw-Hill Education



IB History Route 2 (Americas) HL1

20011

Department: History/Social Science

Grade Level: 11

Credits: 10.0

Graduation Requirement: US History

UC/CSU: History/Social Science (a)

NCAA: Yes

This IB course focuses on a rigorous study of 20th Century World History with a focus on the History of the Americas. During the 11th grade year, students will study U.S. History with an emphasis on History of the Americas. During the 12th grade year, students will examine special themes within the history of the 20th Century. Upon year 2, students must pass and complete internal and external assessments including the submission of a historical investigative research paper.

Pre-requisite(s): Honors World History with a grade of C or better or by instructor approval

Adopted curricular materials: HL1: History of the Americas 1880 - 1981, Course Companion, Oxford University Press, HL2: 20th Century World History, Oxford Univ.

IB History Route 2 (Americas) HL2

20012

Department: History/Social Science

Grade Level: 12

Credits: 10.0

Graduation Requirement: US History

UC/CSU: History/Social Science (a)

NCAA: Yes

This IB course focuses on a rigorous study of 20th Century World History with a focus on the History of the Americas. During the 11th grade year, students will study U.S. History with an emphasis on History of the Americas. During the 12th grade year, students will examine special themes within the history of the 20th Century. Upon year 2, students must pass and complete internal and external assessments including the submission of a historical investigative research paper.

Pre-requisite(s): Honors World History with a grade of C or better or by instructor approval

Adopted curricular materials: HL1: History of the Americas 1880 - 1981, Course Companion, Oxford University Press, HL2: The Cold War: Superpower Tensions and Rivalries Course Companion and Authoritarian States Course Companion; Copyright 2015, Oxford University Press

Political Science Honors

01608

Department: History/Social Science

Grade Level: 12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: History/Social Science (a)

NCAA: Yes

This course focuses on writing papers, book reviews, and delivering oral presentations. The course offers an honors class that will prepare the student for college level work. This course will use a "5-point A" grading system. This EGUSD honors course is recognized as an honors level course by UC/CSU and earns a GPA enhancement by both EGUSD and UC/CSU.

Note: Recommended to be taken in conjunction with American Government and Politics, AP

Adopted curricular materials: Government by the People, Prentice Hall

Psychology I

01601

Department: History/Social Science

Grade Level: 10-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: Elective: History/Social Science (g)

NCAA: Yes

This course provides students with a better understanding of human behavior. Students learn how their actions relate to the behavior of others. Units that will be covered include: Introduction to Psychology, learning principles and applications, memory and thought, adolescence and adulthood, and personality theories. Projects of each student's own design will be due at the end of the semester. Elective credit only.

Adopted curricular materials: Understanding Psychology, Glencoe



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Sports Psychology

01623

Department: History/Social Science
Graduation Requirement: Electives

Grade Level: 09-12
UC/CSU: None

Credits: 5.0
NCAA: No

This course introduces mental skills that will enhance student performance, make athletic participation more enjoyable and rewarding, and learn skills that can be transferred to other aspects of students' lives. Specific skills to be covered in this class will include goal setting and strategies to achieve goals, visualization and imagery techniques, team building, dealing with injuries, and controlling momentum. Many of the skills taught can also have a positive impact on academic success in such areas as test taking and work experience.

Adopted curricular materials: No textbook assigned

US History

01210

Department: History/Social Science
Graduation Requirement: US History

Grade Level: 11-12
UC/CSU: History/Social Science (a)

Credits: 10.0
NCAA: Yes

This course focuses on the study of modern American history, in accordance with the state framework. This is an 11th grade social science course. The class begins with a review of United States history from the nation's beginnings to the start of the 20th century. Connecting with past learning will highlight the initial segment of the class. The primary focus of the course will be 1900 America to the present. Students will participate in the examination of: the Progressive Era, the Jazz Age, world wars and cold wars, depression, civil rights, Watergate, and America today. An in-depth investigation of historical events and periods, the fostering of multicultural awareness, the recognition of ethical, civic, and democratic values present in American history, and the development of a historical perspective in relation to contemporary events represent the major aspects of the course. Literature, music, art, primary readings, videos, simulations and other activities will be used to enhance the subject.

Adopted curricular materials: Impact California Social Studies: United States History & Geography, Continuity and Change, Copyright 2019, McGraw-Hill Education

World Geography

01010

Department: History/Social Science
Graduation Requirement: Geography

Grade Level: 09-12
UC/CSU: History/Social Science (a)

Credits: 5.0
NCAA: Yes

This course introduces students to the world's geographic regions and allows them to relate that knowledge to events in today's rapidly changing world. Contemporary issues confronting the world today, such as world trade, problems of developing nations, urbanization, environmental pollution, and conservation of the world's resources are addressed. Students develop certain basic geography skills. These include map reading and place name identification along with the interpretation of charts and diagrams. As students gain a global perspective of geography, they become increasingly aware of their role as a global citizen today.

Adopted curricular materials: World Geography & Cultures, Glencoe

World Geography Honors

01020

Department: History/Social Science
Graduation Requirement: Geography

Grade Level: 09-12
UC/CSU: History/Social Science (a)

Credits: 10.0
NCAA: Yes

This course provides the same curricular focus as the two-semester college preparatory World Geography course. The increased academic rigor of this course is based on additional reading and writing assignments that will challenge the students in using complex critical thinking skills. As in all honors classes, excellent attendance and participation is mandatory. This course is not granted "honors" credit by the UC system. This EGUSD honors course is not recognized as an honors level course by UC/CSU. It earns an EGUSD GPA enhancement but does NOT earn a GPA enhancement by UC/CSU.

Adopted curricular materials: World Geography & Cultures, Glencoe



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World History

01110

Department: History/Social Science

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: World History

UC/CSU: History/Social Science (a)

NCAA: Yes

This course explores how the connection between the past and the future will continue to form our lives. In World History, students again recognize the growing interdependence of people and cultures throughout the world. Students examine major turning points in the shaping of the modern world from the late eighteenth century to the present. Literature is incorporated to shed light on the life and times of the people and helps explain how and why things turned out as they did in the world today. Adopted curricular materials: Impact California Social Studies: World History, Culture and Geography, Copyright2019, McGraw-Hill Education

World History Honors

01120

Department: History/Social Science

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: World History

UC/CSU: History/Social Science (a)

NCAA: Yes

This course covers the same curriculum as college prep World History. However, due to the increased rigor of this course based on reading and writing assignments, as well as required enrichment projects, students may elect to sign up for this academic challenge. This course is not granted "honors" credit by the UC system. This EGUSD honors course is not recognized as an honors level course by UC/CSU. It earns an EGUSD GPA enhancement but does NOT earn a GPA enhancement by UC/CSU. Adopted curricular materials: Impact California Social Studies: World History, Culture and Geography, Copyright2019, McGraw-Hill Education

You and the Law

01611

Department: History/Social Science

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: Elective: History/Social Science (g)

NCAA: Yes

This course explores the following units: Criminal Law and Juvenile Justice, Tort Law, Consumer Law, Family Law, Housing Law, Constitutional Issues, and Individual Rights and Liberties. This course is a one-semester social science elective that introduces students to criminal and civil justice concepts.

Adopted curricular materials: Street Law: A Course in Practical Law, Glencoe



Mathematics

Applied Mathematics

03019

Department: Mathematics

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: No

This year-long college-preparatory course supports key Mathematics I standards and introduces key Mathematics II standards. Designed for students who seek a better grasp of mathematical concepts before enrolling in Mathematics II, this course makes explicit connections between the Standards for Mathematical Practice and the Content Standards through performance tasks and project-based learning. This course prioritizes the usefulness in learning mathematics as students apply their knowledge using a variety of avenues such as surveys and art.

Pre-requisite(s): Mathematics I

Adopted curricular materials: EGUSD Printed APPLIED MATH Materials

IB Mathematics: Analysis and Approaches HL1

20080

Department: Mathematics

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This is a high-level course for students with an exceptional background in mathematics and who have competency in a range of analytical and technical skills. Students need a solid mathematics background as they prepare for future studies in fields such as engineering, physics, mathematics, and computer science. Topics include algebra, functions, trigonometry, matrices, vectors, probability and statistics, and calculus. Assessments include IB exams in May of senior year and an individual exploration project.

Pre-requisite(s): Precalculus Honors with a grade of "C" or better (B or better recommended)

Adopted curricular materials: Calculus by Larson, 8th Edition, Cengage

IB Mathematics: Analysis and Approaches HL2

20081

Department: Mathematics

Grade Level: 12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This is a high-level course for students with an exceptional background in mathematics and who have competency in a range of analytical and technical skills. Students need a solid mathematics background as they prepare for future studies in fields such as engineering, physics, mathematics, and computer science. Topics include algebra, functions, trigonometry, matrices, vectors, probability and statistics, and calculus. Assessments include IB exams in May of senior year and an individual exploration project.

Pre-requisite(s): IB Mathematics: Analysis and Approaches HL1 with a grade of C or better

Adopted curricular materials: Higher Level Mathematics, Pearson

IB Mathematics: Analysis and Approaches SL1

20082

Department: Mathematics

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course is designed for students with a strong background in mathematics and who have competency in a range of analytical and technical skills. Students expect to need a sound mathematical background as they prepare for future studies in fields such as science, business, psychology, education, etc. Topics in this course include algebra, functions, trigonometry, probability, statistics, and calculus. In addition to assessments given by the teacher in class, there will be preparation for the internal assessment.

Pre-requisites: Mathematics III, Mathematics III Honors, Mathematics II/III Accelerated, or Pre-Calculus Honors with a C or better

Adopted curricular materials: Standard Level Mathematics, Pearson



IB Mathematics: Analysis and Approaches SL2

20083

Department: Mathematics

Grade Level: 12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course is designed for students with a strong background in mathematics and who have competency in a range of analytical and technical skills. Students expect to need a sound mathematical background as they prepare for future studies in fields such as science, business, psychology, education, etc. Topics in this course include algebra, functions, trigonometry, probability, statistics, and calculus. In addition to assessments given by the teacher in class, there will be preparation for the internal assessment.

Pre-requisites: IB Mathematics: Analysis and Approaches SL1 with a grade of C or better

Adopted curricular materials: Standard Level Mathematics, Pearson

IB Mathematics: Applications and Interpretation SL1

20084

Department: Mathematics

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. It emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modeling. To give this understanding a firm base, this course also includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course makes extensive use of technology to allow students to explore and construct mathematical models.

Pre-requisites: Mathematics III, Mathematics III Honors, Mathematics II/III Accelerated, or Pre-Calculus Honors with a grade of C or better

Adopted curricular materials: Mathematics for the IB Student, 3rd Edition, Haese Mathematics

IB Mathematics: Applications and Interpretation SL2

20085

Department: Mathematics

Grade Level: 12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. It emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modeling. To give this understanding a firm base, this course also includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course makes extensive use of technology to allow students to explore and construct mathematical models.

Pre-requisites: IB Mathematics: Applications and Interpretation SL1 with a grade of C or better

Adopted curricular materials: Mathematics for the IB Student, 3rd Edition, Haese Mathematics

Mathematics I

03015

Department: Mathematics

Grade Level: 08-12

Credits: 10.0

Graduation Requirement: Mathematics I

UC/CSU: Mathematics (c)

NCAA: Yes

This course is the first course in a series of three that uses an integrated approach to cover the following domains: Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. The problem situations, models, and technology used will foster connections to the eight standards of mathematical practice, which develop concepts from multiple perspectives.

Mathematics I topics focus on the interconnectedness of function elements, tables, graphs, and equations; comparison and contrast and decision-making using Algebraic models; proving Geometric theorems about two-dimensional figures; and modeling using mathematical probability. Technology will be used to introduce and expand upon all areas of focus.

Adopted curricular materials: Integrated Mathematics 1, Houghton-Mifflin Harcourt



Mathematics I A, Part 1

03101

Department: Mathematics

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: Elective: Mathematics (g)

NCAA: Yes

Mathematics I A is the first in a two-part course that integrates the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics. Coupled with Mathematics I B, these two courses are the equivalent of a two-year Mathematics I course. The problem situations, models, and technology used will foster connections to the eight Standards for Mathematical Practice, which develop conceptual understanding from multiple perspectives. Mathematics I A topics focus on the interconnectedness of function elements, tables, graphs, and equations; comparing and contrasting and decision-making using Algebraic models, and modeling using mathematical probability. In addition, students will be provided with online and in-class intervention to fill in any gaps in mathematical knowledge needed for success in Mathematics I A. This course earns five elective credits in the first semester (Part 1) and five mathematics credits in the second semester (Part 2).

Adopted curricular materials: Integrated Mathematics 1, Volume 1; Houghton Mifflin Harcourt

Mathematics I A, Part 2

03102

Department: Mathematics

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Mathematics I

UC/CSU: Elective: Mathematics (g)

NCAA: Yes

Mathematics I A is the first in a two-part course that integrates the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics. Coupled with Mathematics I B, these two courses are the equivalent of a two-year Mathematics I course. The problem situations, models, and technology used will foster connections to the eight Standards for Mathematical Practice, which develop conceptual understanding from multiple perspectives. Mathematics I A topics focus on the interconnectedness of function elements, tables, graphs, and equations; comparing and contrasting and decision-making using Algebraic models, and modeling using mathematical probability. In addition, students will be provided with online and in-class intervention to fill in any gaps in mathematical knowledge needed for success in Mathematics I A. This course earns five elective credits in the first semester (Part 1) and five mathematics credits in the second semester (Part 2).

Pre-requisite(s): Mathematics I A, Part 1

Adopted curricular materials: Integrated Mathematics 1, Volume 1; Houghton Mifflin Harcourt

Mathematics I B, Part 1

03103

Department: Mathematics

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: Mathematics (c)

NCAA: Yes

Mathematics I B is the second in a two-part course which integrates the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics. Coupled with Mathematics I A, these two courses are the equivalent of Mathematics I. The problem situations, models, and technology used will foster connections to the eight Standards for Mathematical Practice which develop conceptual understanding from multiple perspectives. Mathematics I B topics focus on exponential relationships, geometric transformation and congruence, the properties of lines, angles, and triangles, along with the applications of these properties; and quadrilaterals and coordinate proof. In addition, students will be provided with online and in-class intervention to fill in any gaps in mathematical knowledge needed for success in Mathematics I B. This course earns five elective credits in the first semester (Part 1) and five math credits in the second semester (Part 2).

Pre-requisite(s): Mathematics I A, Part 2

Adopted curricular materials: Integrated Mathematics 1, Volume 2; Houghton Mifflin Harcourt



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Mathematics I B, Part 2

03104

Department: Mathematics

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Mathematics I

UC/CSU: Mathematics (c)

NCAA: Yes

Mathematics I B is the second in a two-part course which integrates the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics. Coupled with Mathematics I A, these two courses are the equivalent of Mathematics I. The problem situations, models, and technology used will foster connections to the eight Standards for Mathematical Practice which develop conceptual understanding from multiple perspectives. Mathematics I B topics focus on exponential relationships, geometric transformation and congruence, the properties of lines, angles, and triangles, along with the applications of these properties; and quadrilaterals and coordinate proof. In addition, students will be provided with online and in-class intervention to fill in any gaps in mathematical knowledge needed for success in Mathematics I B. This course earns five elective credits in the first semester (Part 1) and five math credits in the second semester (Part 2).

Pre-requisite(s): Mathematics I B, Part 1

Adopted curricular materials: Integrated Mathematics 1, Volume 2; Houghton Mifflin Harcourt

Mathematics II

03025

Department: Mathematics

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course is the second course in a series of three that uses an integrated approach to cover the following domains: Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. This course focuses on extending the laws of exponents to rational exponents, and solving and comparing the characteristics of functions, including their associated inequalities. Students will extend their work with similarity, triangle and coordinate proofs, constructions, congruence, and transformations while using proportional reasoning, trigonometric ratios and the Pythagorean Identity. Students will expand their conceptual understanding of probability and statistics.

Pre-requisite(s): Mathematics I or Applied Mathematics with a grade of C or better

Adopted curricular materials: Integrated Mathematics 2, Houghton-Mifflin Harcourt

Mathematics II Honors

03026

Department: Mathematics

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course expands upon Mathematics II content. Mathematics II Honors includes exploring complex polynomial solutions, using the Fundamental Theorem of Algebra, extending constructions, and using theoretical and experimental probability to model compound events, permutations, combinations, and fair decision making. This EGUSD honors course is not recognized as an honors level course by UC/CSU. It earns an EGUSD GPA enhancement but does NOT earn a GPA enhancement by UC/CSU.

Pre-requisite(s): Mathematics I or Mathematics I B, Part 2 with a grade of C or better

Adopted curricular materials: Integrated Mathematics 2, Houghton-Mifflin Harcourt

Mathematics III

03035

Department: Mathematics

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course is the third course in a series of three that uses an integrated approach to cover the following domains: Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. This course focuses on four major areas: (1) Expanding the understanding of functions to include polynomial, rational, and radical functions, (2) Expanding right triangle trigonometry to include general triangles, (3) Applying methods from probability and statistics to draw inferences and conclusions from data, and (4) Consolidating functions and geometry to create models and solve contextual problems.

Pre-requisite(s): Mathematics II, Mathematics II B, Part 2, or Mathematics II Honors with a grade of C or better

Adopted curricular materials: Integrated Mathematics 3, Houghton-Mifflin Harcourt

UC/CSU = College Approved, Grad Req = Graduation Requirement, NCAA = Student Athletes Eligible Course



Mathematics III Honors

03036

Department: Mathematics

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course expands upon Mathematics III content. Mathematics III Honors includes extending polynomial identities to the complex system, using the Fundamental Theorem of Algebra and the Binomial Theorem, understanding that rational expressions with both linear and quadratic denominators are analogous to the rational numbers, proving and using the Laws of Sines and Cosines and using them to solve problems, applying the Laws of Sines and Cosines in both right and non-right triangles, and using probability concepts in more complex situations. This EGUSD honors course is not recognized as an honors level course by UC/CSU. It earns an EGUSD GPA enhancement but does NOT earn a GPA enhancement by UC/CSU.

Pre-requisite(s): Mathematics II Honors with a grade of C or better

Adopted curricular materials: Integrated Mathematics 3, Houghton-Mifflin Harcourt

Pre-Calculus Honors

03041

Department: Mathematics

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course is designed to extend the study of mathematics beyond the standard three-year progression of Mathematics I, Mathematics II, Mathematics III. It is recommended for those students who wish to take an AP calculus class. Topics that will be covered will include: limits, derivatives, continuity, piece-wise functions, as well as math analysis, trigonometry, and linear algebra. A graphing calculator is recommended. This course uses a "5-point A" grading system recognized by the CSU and UC systems. This EGUSD honors course is recognized as an honors level course by UC/CSU and earns a GPA enhancement by both EGUSD and UC/CSU.

Pre-requisite(s): Mathematics III with a grade of C or better or by instructor approval

Adopted curricular materials: Precalculus with Limits, 4th Edition, Cengage Learning

Probability and Statistics

03068

Department: Mathematics

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course is designed to explore the study of probability and the processing of statistical information. The course will review Algebra and Geometry concepts that relate to statistics. The topics that will be covered include: probability, standard distributions, measures of central tendency, standard deviation, and interpretation of these data. (A scientific calculator is recommended.)

Pre-requisite(s): Mathematics III or Mathematics III B, Part 2 with a grade of C or better.

Adopted curricular materials: Statistics and Probability with Applications, Third Edition; Bedford, Freeman & Worth

Problem Solving A

03060

Department: Mathematics

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: Mathematics (c)

NCAA: Yes

This course is designed to enrich Mathematics I, Mathematics II, geometry, and problem-solving skills for those students not prepared to enter Mathematics III. The topics that will be covered include: logarithms, probability, statistics, linear programming, sequences and series, and conics. (A scientific calculator is recommended.)

Pre-requisite(s): Mathematics I and Mathematics II with a grade of D or better

Adopted curricular materials: Algebra and Trigonometry, Function & Application, Pearson



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Senior Math Review

03662

Department: Mathematics

Grade Level: 12

Credits: 10.0

Graduation Requirement: Mathematics

UC/CSU: None

NCAA: No

This course focuses on math remediation needs for seniors. It includes the opportunity for students to take placement tests for the Los Rios Community College system both at the beginning of the school year and again at the end of the school year. Students will be prepared to place into at least Math 100 - Elementary Algebra at the college level.

Adopted curricular materials: No textbook assigned



Physical Education

Personal Fitness/Walking

08624

Department: Physical Education

Grade Level: 10-12

Credits: 5.0

Graduation Requirement: Physical Education

UC/CSU: None

NCAA: No

This course is designed to stress the importance of cardiovascular, muscular, and mental fitness development for maintaining a healthy lifestyle. The course will help students acquire the knowledge, skills, and attitude necessary for physical fitness through their participation in a walking program and low-impact exercises (i.e., yoga, chi, aerobics, etc.). This course may be repeated for a maximum of 30 credits.

Pre-requisite(s): PE Course I

Adopted curricular materials: No textbook assigned

Physical Education, Course I

08020

Department: Physical Education

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Physical Education

UC/CSU: None

NCAA: No

This course provides a wide variety of activities focusing on aquatics, rhythm/dance, and individual and team activities. All students are expected to dress and participate on a daily basis. The class is designed to provide an introduction to many different activities. In each activity, fitness, fundamentals, and skill development will be emphasized. Grades are based on skill development, participation, writing assignments, and written tests. All 9th grade students are required to pass 5 out of 6 of the state's FITNESSGRAM tests.

Adopted curricular materials: No textbook assigned

PHYSICAL EDUCATION, ADAPTED

This course provides for students whose needs are not met in the regular program. The adapted physical education program is under the supervision of an Adapted Physical Education (A.P.E.) specialist with training in this area. Enrollment must be accompanied by a physician's approval. The program provides individualized activities specially designed to meet each student's needs and conditions. The class gives special attention to those with limitations and protects students with disabilities.

Pre-requisite(s): I.E.P. and physician approval

Adopted curricular materials: No textbook assigned

PHYSICAL EDUCATION, MODIFIED

This course provides for students with temporary limitations (four weeks to one year) i.e., knee, arm, ankle, shoulder, back problems, fractures. Enrollment must be accompanied by a physician's recommendation. Activities may include archery, badminton, Frisbee games, golf, hockey, rhythms, table tennis, and weight training that will be modified to meet each student's needs.

Pre-requisite(s): Physician recommendation

Adopted curricular materials: No textbook assigned

Physical Education, Course II

08030

Department: Physical Education

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Physical Education

UC/CSU: None

NCAA: No

This course offers a variety of activities focusing on Junior combatives, gymnastics/tumbling and team activities through which the Senior California Department of Education Physical Education Content Standards, Course II, will be met. Students will learn skills necessary to perform a variety of physical activities as well as knowledge of physical fitness and wellness. They will create goals and integrate their knowledge into life-long patterns of wellness and fitness. Students who have not previously passed 5 out of 6 FITNESSGRAM tests in Course I will have to Pass 5 out of 6 FITNESSGRAM tests in Course II.

Adopted curricular materials: No textbook assigned



Team Sports, Introduction to

08619

Department: Physical Education

Grade Level: 10

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course offers three six-week segments of instruction in team sports. Skills specific to each sport will be emphasized and developed throughout the progression of the course. Note-taking, reading, and Internet investigations will also be used to supplement student learning. This is an elective course and cannot be taken in place of Course I or Course II.

Pre-requisite(s): PE Course I

Adopted curricular materials: No textbook assigned

Weight Training, Advanced

08675

Department: Physical Education

Grade Level: 10-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course is designed for students who want to become more physically fit and who have a serious interest in developing strength through a weight training program. Strength training, toning, plyometrics, and jump rope will be the main themes of the course. Cardiovascular techniques will also be stressed. This course may be repeated for a maximum of 30 credits. Students will be expected to dress and participate every day. Sophomores may take this course in place of PE Course II for one semester only. Students not meeting instructor expectations may be moved into PE Course II.

Pre-requisite(s): Beginning Weight Training

Adopted curricular materials: No textbook assigned

Weight Training, Beginning

08670

Department: Physical Education

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This five credit course is designed to introduce students to weight training. It will cover muscles and their functions, 46 basic lifts, and an understanding of training frequency, training resistance, training repetitions, training progression, and training speed. Students will be introduced to workout design. During the second quarter, the students will design their own workout program and set personal goals. Students will analyze their diet and be given instruction on diet needs when weight training. This course must be passed before Advanced Weight Training can be taken. Elective credit only.

Pre-requisite(s): PE Course I with a grade of C or better

Adopted curricular materials: No textbook assigned



Science

AP Physics I

04311

Department: Science

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Physical Science

UC/CSU: Science (d)

NCAA: Yes

This course is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Approximately twenty-five percent of the instructional time will be spent in hands-on laboratory work with an emphasis on inquiry-based investigations that provide opportunities for students to apply the science practices.

Pre-requisite(s): Mathematics II with a grade of C or better and concurrent enrollment in Mathematics III

Adopted curricular materials: College Physics, Cengage Learning

Astronomy

04611

Department: Science

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Science

UC/CSU: Elective: Science (g)

NCAA: Yes

This course explores the universe in which we live. The class will focus on the science behind our understanding of our universe. The course may provide opportunities for viewing stars and exploring constellations.

Pre-Requisite: Concurrent enrollment in Mathematics I or higher

Adopted curricular materials: Astronomy Today, Prentice Hall

Astronomy Survey

04615

Department: Science

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This elective course is taught by lecture, demonstrations, collaborative learning, and laboratory methods. The course covers the following topics: The Basics of Astronomy, The Solar System, The Sun and Other Stars, and The Big Bang Theory and Beyond.

Adopted curricular materials: Astronomy Today, Fourth Edition, Prentice Hall

Biology of the Living Earth

04104

Department: Science

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Life Science

UC/CSU: Science (d)

NCAA: Yes

This laboratory course provides a foundation for the biological and earth sciences. Topics include ecosystem interactions and energy, history of Earth's atmosphere, evidence for evolution, inheritance of traits, structure and function, and ecosystem stability and the response to climate change. This course emphasizes developing conceptual models through asking questions, analyzing data, designing and carrying out experiments and designing solutions to real world situations.

Co-requisite: Completion or enrollment in Mathematics I or equivalent

Adopted curricular materials: STEMscopes CA-NGSS-3D, The Living Earth, Accelerated Learning, Inc.

Biology of the Living Earth (non A-G eligible)

04106

Department: Science

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Life Science

UC/CSU: None

NCAA: No

This laboratory course provides a foundation for the biological and earth sciences. Topics include ecosystem interactions and energy, history of Earth's atmosphere, evidence for evolution, inheritance of traits, structure and function, and ecosystem stability and the response to climate change. This course emphasizes developing conceptual models through asking questions, analyzing data, designing and carrying out experiments and designing solutions to real world situations.

Co-requisite: Completion or enrollment in Mathematics I or equivalent

Adopted curricular materials: STEMscopes CA-NGSS-3D, The Living Earth, Accelerated Learning, Inc.



Chemistry in the Earth System

04204

Department: Science

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Physical Science

UC/CSU: Science (d)

NCAA: Yes

This laboratory course provides instruction in chemistry through exploration of natural phenomena in earth systems. Students will engage in scientific practices and laboratory experiments to investigate the following topics: atomic theory, chemical bonding and reactions, thermodynamics, plate tectonics, climate change, and ocean acidification.

Co-requisite: Completion or enrollment in Mathematics I or equivalent

Adopted curricular materials: Experience Chemistry in the Earth System, Copyright 2021, Pearson Education, Inc.

Chemistry in the Earth System (non A-G eligible)

04206

Department: Science

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Physical Science

UC/CSU: None

NCAA: No

This laboratory course provides instruction in chemistry through exploration of natural phenomena in earth systems. Students will engage in scientific practices and laboratory experiments to investigate the following topics: atomic theory, chemical bonding and reactions, thermodynamics, plate tectonics, climate change, and ocean acidification.

Co-requisite: Completion or enrollment in Mathematics I or equivalent

Adopted curricular materials: Experience Chemistry in the Earth System, Copyright 2021, Pearson Education, Inc.

Geology

04661

Department: Science

Grade Level: 11-12

Credits: 5.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: Yes

This course provides an introduction to the composition and dynamics of the earth, from the atomic scale of minerals to the global scale of plate tectonics. This course includes the composition, structure, and environmental systems, which have shaped our planet. Attention will focus on how the natural earth processes of volcanism, plutonism, deformation, earthquakes, hydrology, sedimentation, and weathering processes have interacted to shape our world. Many examples will come from our western National Parks and National Monuments. Students will be provided hands-on laboratory experiences using earth minerals, rocks, map interpretation, satellite photos, cross-sections, stereoscope study, data analysis, and landform interpretation. Emphasis will be placed on problem-solving skills with students working in small groups.

Pre-requisite(s): General Science or higher Science course

Adopted curricular materials: Essentials of Geology, Prentice Hall

IB Biology HL1

20043

Department: Science

Grade Level: 11

Credits: 10.0

Graduation Requirement: Life Science

UC/CSU: Science (d)

NCAA: Yes

This IB course allows students to develop a secure knowledge of a limited body of facts and, at the same time, a broad general understanding of the subject. Students should be able to apply this general understanding as widely as possible, and this ability will be tested in examinations. First year IB Biology will concentrate on Cell Biology, Biochemistry, DNA and Biotechnology, and Genetics and Evolution. Second year IB Biology will concentrate on human physiology, ecology and conservation, and botany. IB Biology HL is a more in-depth study than IB Biology SL.

Adopted curricular materials: Higher Level Biology, Pearson



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IB Biology HL2

20044

Department: Science

Grade Level: 12

Credits: 10.0

Graduation Requirement: Life Science

UC/CSU: Science (d)

NCAA: Yes

This IB course allows students to develop a secure knowledge of a limited body of facts and, at the same time, a broad general understanding of the subject. Students should be able to apply this general understanding as widely as possible, and this ability will be tested in examinations. First year IB Biology will concentrate on Cell Biology, Biochemistry, DNA and Biotechnology, and Genetics and Evolution. Second year IB Biology will concentrate on human physiology, ecology and conservation, and botany. IB Biology HL is a more in-depth study than IB Biology SL.

Adopted curricular materials: Higher Level Biology, Pearson

IB Biology SL1

20041

Department: Science

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Life Science

UC/CSU: Science (d)

NCAA: Yes

This IB course allows students to develop a secure knowledge of a limited body of facts and, at the same time, a broad general understanding of the subject. Students should be able to apply this general understanding as widely as possible, and this ability will be tested in examinations. First year IB Biology will concentrate on Cell Biology, Biochemistry, DNA and Biotechnology, and Genetics and Evolution. Second year IB Biology will concentrate on human physiology, ecology and conservation, and botany.

Adopted curricular materials: Higher Level Biology, Pearson

IB Biology SL2

20042

Department: Science

Grade Level: 12

Credits: 10.0

Graduation Requirement: Life Science

UC/CSU: Science (d)

NCAA: Yes

This IB course allows students to develop a secure knowledge of a limited body of facts and, at the same time, a broad general understanding of the subject. Students should be able to apply this general understanding as widely as possible, and this ability will be tested in examinations. First year IB Biology will concentrate on Cell Biology, Biochemistry, DNA and Biotechnology, and Genetics and Evolution. Second year IB Biology will concentrate on human physiology, ecology and conservation, and botany.

Adopted curricular materials: Higher Level Biology, Pearson

IB Chemistry HL1

20047

Department: Science

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Physical Science

UC/CSU: Science (d)

NCAA: Yes

This IB course is designed to facilitate student learning by developing skills and knowledge through inquiry with an emphasis on international collaboration and cooperation. Students will gain knowledge, investigative techniques, and the ability to analyze and synthesize scientific information and will be able to communicate this information to others. These skills incorporate verbal, written, and technological abilities developing students who can effectively communicate scientific information. By applying these skills in a global context, students will develop international mindedness. Students in IB Chemistry will learn how chemistry allows us to design and create substances that improve our standard of living that benefit local and global communities.

Pre-requisite(s): Mathematics III with a grade of C or better or concurrent enrollment or by instructor approval

Adopted curricular materials: Higher Level Chemistry, Pearson



IB Chemistry HL2 **20048**

Department: Science **Grade Level:** 12
Graduation Requirement: Physical Science **UC/CSU:** Science (d) **Credits:** 10.0
NCAA: Yes

This IB course is designed to facilitate student learning by developing skills and knowledge through inquiry with an emphasis on international collaboration and cooperation. Students will gain knowledge, investigative techniques, and the ability to analyze and synthesize scientific information and will be able to communicate this information to others. These skills incorporate verbal, written, and technological abilities developing students who can effectively communicate scientific information. By applying these skills in a global context, students will develop international mindedness. Students in IB Chemistry will learn how chemistry allows us to design and create substances that improve our standard of living that benefit local and global communities.

Pre-requisite(s): Mathematics III with a grade of C or better or concurrent enrollment or by instructor approval

Adopted curricular materials: Higher Level Chemistry, Pearson

IB Chemistry SL1 **20045**

Department: Science **Grade Level:** 11-12
Graduation Requirement: Physical Science **UC/CSU:** Science (d) **Credits:** 10.0
NCAA: Yes

This IB course is designed to facilitate student learning by developing skills and knowledge through inquiry with an emphasis on international collaboration and cooperation. Students will gain knowledge, investigative techniques, and the ability to analyze and synthesize scientific information and will be able to communicate this information to others. These skills incorporate verbal, written, and technological abilities developing students who can effectively communicate scientific information. By applying these skills in a global context, students will develop international-mindedness. Students in IB Chemistry will learn how chemistry allows us to design and create substances that improve our standard of living that benefit local and global communities.

Pre-requisite(s): Mathematics III with a grade of C or better or concurrent enrollment or by instructor approval

Adopted curricular materials: Higher Level Chemistry, Pearson

IB Chemistry SL2 **20046**

Department: Science **Grade Level:** 12
Graduation Requirement: Physical Science **UC/CSU:** Science (d) **Credits:** 10.0
NCAA: Yes

This IB course is designed to facilitate student learning by developing skills and knowledge through inquiry with an emphasis on international collaboration and cooperation. Students will gain knowledge, investigative techniques, and the ability to analyze and synthesize scientific information and will be able to communicate this information to others. These skills incorporate verbal, written, and technological abilities developing students who can effectively communicate scientific information. By applying these skills in a global context, students will develop international-mindedness. Students in IB Chemistry will learn how chemistry allows us to design and create substances that improve our standard of living that benefit local and global communities.

Pre-requisite(s): Mathematics III with a grade of C or better or concurrent enrollment or by instructor approval

Adopted curricular materials: Higher Level Chemistry, Pearson

Natural Disasters and Engineering Strategies **04638**

Department: Science **Grade Level:** 10-12
Graduation Requirement: Science **UC/CSU:** None **Credits:** 10.0
NCAA: No

This elective course explores the causes and effects of natural disasters and the engineering strategies used to limit the impact of such events. Students will examine the ability, or inability, to control and predict events such as earthquakes, volcanic eruptions, tsunamis, landslides, flooding, wildfires, and severe weather events. Instructional strategies include phenomena-based instruction, collaborative learning, lecture, laboratory investigations, and engineering design challenges.

Adopted curricular materials: None



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Physics of the Universe

04304

Department: Science

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Physical Science

UC/CSU: Science (d)

NCAA: Yes

This laboratory course addresses the relationships of physics in the universe. Emphasis is on observing phenomena, gathering and interpreting data, developing models, discovering graphical and mathematical relationships, and engineering and refining solutions to realistic problem scenarios. This course includes units on motion and forces, energy conversions, waves and electromagnetic waves, nuclear processes, and stellar processes.

Co-requisite: Completion of or enrollment in Mathematics I or equivalent

Adopted curricular materials: STEMscopes CA-NGSS-3D, Physics in the Universe, Accelerated Learning, Inc.

Physics of the Universe (non A-G eligible)

04306

Department: Science

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Physical Science

UC/CSU: None

NCAA: No

This laboratory course addresses the relationships of physics in the universe. Emphasis is on observing phenomena, gathering and interpreting data, developing models, discovering graphical and mathematical relationships, and engineering and refining solutions to realistic problem scenarios. This course includes units on motion and forces, energy conversions, waves and electromagnetic waves, nuclear processes, and stellar processes.

Co-requisite: Completion of or enrollment in Mathematics I or equivalent

Adopted curricular materials: STEMscopes CA-NGSS-3D, Physics in the Universe, Accelerated Learning, Inc.

Physiology

04690

Department: Science

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Science

UC/CSU: Science (d)

NCAA: Yes

This course explores all aspects of the human body in health and disease. This is a laboratory course and areas of study include the nervous system, circulatory system, skeletal system, reproductive system, etc. Laboratory study will include the use and dissection of living and preserved material to help study human anatomy and physiology.

Pre-requisite(s): General Science and Biology with a grade of C or better

Adopted curricular materials: Fundamentals of Anatomy & Physiology, Pearson/Prentice Hall



Visual/Performing Arts

Animation I

06070

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course introduces students to the fundamentals of animation and computer graphics. Students will learn basic concepts, methods and techniques through hands-on experiences and projects directly related to the field of animation and computer graphics. The curriculum is geared toward individuals who wish to use and develop their creative expression skills, in conjunction with professional-level computer software techniques, to create multimedia art. This course is especially for students who are interested in fine art communication, film, drama, computer animation, and/or graphic design. Careers in art and animation will be explored. This course may be repeated for a maximum of 20 credits.

Adopted curricular materials: The Encyclopedia of Animation Technology, Running Press

Art Honors

06035

Department: Visual/Performing Arts

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course provides students a rigorous advanced art class that includes aesthetics, art criticism, art history, and studio production. Projects will include, but are not limited to, airbrush, watercolor; acrylics, ink, prisma colors, block printing, mixed media and 3D sculpture. Honors Art is a prerequisite and companion class to AP Studio Art at Monterey Trail and Sheldon High Schools. This EGUSD honors course is not recognized as an honors level course by UC/CSU. It earns an EGUSD GPA enhancement but does NOT earn a GPA enhancement by UC/CSU.

Pre-requisite(s): Art II or Commercial Art/Graphics with a grade of C or better or by instructor approval

Adopted curricular materials: The Visual Experience, Davis

Art I

06010

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course introduces students to the fundamentals of drawing, painting, sculpture, print making, art history, art appreciation and aesthetic judgment. Prior experience in art is not necessary to enroll in this course. Projects in the class will emphasize the elements and principles of design and the technical skills of drawing, painting, and sculpture. Student projects may include the use of glass etching, charcoal, ink, pastels, tempera, watercolor, and plaster. Printmaking projects may include linoleum block prints, silk screen painting, and dry point etching.

Adopted curricular materials: Discovering Drawing, Davis Publishing

Art II

06020

Department: Visual/Performing Arts

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed for students who wish to continue their studies of drawing, painting, art history, and design at a more advanced level. Students are encouraged to register for both Art II A and Art II B. Art II is an extension of the skills and techniques developed in Art I. Projects will require the student to work at a more independent and mature level and will culminate in a portfolio of their work. Students will be encouraged to enter a variety of art contests and shows.

Pre-requisite(s): Art I or instructor approval

Adopted curricular materials: Experience Painting, Davis Publishing



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Art III

06030

Department: Visual/Performing Arts

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed for the advanced art student. Emphasis will be on watercolor acrylic, gouache, oil painting, and airbrush. Students will learn to use drawing and painting techniques to organize and depict ideas, feelings, and moods. Also covered in this course may be advanced print making techniques including multicolored silk screening. This course may be repeated for a maximum of 20 credits.

Pre-requisite(s): Art II or instructor approval

Adopted curricular materials: Exploring Painting, Davis

Band, Intermediate

06321

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed for students to participate in an instrumental ensemble. Students study advanced music literature through band methods and sheet music composed for Intermediate Concert Band. Students will explore the role of the performing arts in culture and human history. Instruments include all of the varieties found within the brass, woodwind and percussion families. This course may be repeated for a maximum of 40 credits.

Pre-requisite(s): Ability to play a band instrument and recommendation by current music teacher or audition with the band director

Adopted curricular materials: No textbook assigned

Band, Intro to Marching/Concert

06322

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed for students to participate in a performing ensemble. It is the first course for students enrolling in Marching/Concert Band. Students study music in literature, compose for concert band and marching band, and display their efforts in public recitals. Students will explore the role of the performing arts in culture and human history. 25 hours of Community Service awarded at Laguna Creek High School.

Pre-requisite(s): Ability to play a band instrument and recommendation by current music teacher or audition with the band director

Adopted curricular materials: No textbook assigned

Band, Jazz

06331

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed as a performing group that will stress jazz and rock styles, jazz articulations, and phrasing and must be taken concurrently with Marching/Concert Band (exceptions are instruments not used in the marching/concert band such as electric bass, guitar, and piano). Improvisations will be explored. Performances will include both concerts and jazz festivals. This course may be repeated for a maximum of 40 credits.

Pre-requisite(s): Ability to play a band instrument and recommendation by current music teacher or audition with the school band director and Introduction to Jazz Band

Adopted curricular materials: No textbook assigned



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Band, Marching Auxiliaries

06324

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: None

NCAA: No

This course focuses on Band Auxiliary groups including, when applicable, Drill Team, Majorettes, Banner Carriers, Shield Bearers, Color Guard, and Flag Team. All students will be expected to stay for practices before and after school and participate in all extra-curricular activities. Each student is expected to dress appropriately and participate on a daily basis. This course may be repeated for a maximum of 40 credits.

Adopted curricular materials: No textbook assigned

Band, Marching/Concert

06323

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Electives

UC/CSU: None

NCAA: No

This course allows students to participate in a performing band, which will be playing music of a high technical level, and will perform at numerous concerts, parades, and field competitions. This group will function as a marching band and as a concert band. This course may be repeated for a maximum of 40 credits. 25 Community Service hours awarded at Laguna Creek High School.

Pre-requisite(s): Ability to play a band instrument and recommendation by current music teacher or audition with the band director, and Introduction to Marching/Concert Band

Adopted curricular materials: No textbook assigned

Ceramics I

06110

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course introduces students to the fundamental methods of working with clay including hand building techniques, use of the potter's wheel, glaze application, and firing techniques. This is an introductory class in the basic skills and processes of ceramics. The role of ceramics in art history and the work of contemporary artists will be included in the course study.

Adopted curricular materials: Experience Clay, Second Edition, Davis Publishing

Ceramics II

06120

Department: Visual/Performing Arts

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course emphasizes advanced work on the potter's wheel, advanced hand-building techniques, advanced glaze, and decoration techniques. This is an intermediate course in Ceramics, continuing the skills and techniques developed in Ceramics I. Students will be introduced to glaze formulation and the loading and unloading of kilns. Art history as it relates to ceramics will be included in the course of study. Students will be encouraged to enter a variety of contests and shows.

Pre-requisite(s): Ceramics I with a grade of C or better or by instructor approval

Adopted curricular materials: Beginning Sculpture, Davis Publishing

Ceramics II, Honors

06150

Department: Visual/Performing Arts

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This advanced ceramics course includes aesthetics, art criticism, art history, and studio production. Students complete up to 12 theme-based projects showing progression of style and artistic influence through research and evaluation of artist's works. Students will focus on craftsmanship, skills, techniques, and originality. Included in the course of study are the work of contemporary ceramic artists, ceramic cultural art history, written research through critical analysis, and reports of a particular genre, style, or historical periods, which will be used to give direction to mastery level work. This EGUSD honors course is recognized as an honors level course by UC/CSU and earns a GPA enhancement by both EGUSD and UC/CSU.

Pre-Requisite: Ceramics I

Adopted curricular materials: The Visual Experience, 3rd Edition, Davis Publications

UC/CSU = College Approved, Grad Req = Graduation Requirement, NCAA = Student Athletes Eligible Course



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Ceramics III

06130

Department: Visual/Performing Arts

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course focuses on extensive study in production pottery and advanced decoration, along with intensive study in glaze formulation and kiln construction. Students choosing this course should enroll for both fall and spring semesters. Students will study art history as it relates to ceramics. The class includes the process of Raku. Some homework will be required, but the class will be project oriented.

Pre-requisite(s): Ceramics II with a grade of C or better or by instructor approval

Adopted curricular materials: Clayworks, Form & Idea in Ceramic Design, Davis

Ceramics IV

06140

Department: Visual/Performing Arts

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course focuses on individual multi-product study and contemporary ceramic art. This course provides an in-depth study on theory and philosophy of ceramic development as it relates to each student's own work. Students choosing this course should enroll for both fall and spring semesters. The class provides Individual studio production for students who have completed Ceramics I, II, and III. Students will organize and promote gallery sales. Some homework will be required, but the project will be class oriented. This course may be repeated for a maximum of 20 credits. This course meets the UC elective (g) requirement.

Pre-requisite(s): Ceramics III with a grade of C or better or by instructor approval

Adopted curricular materials: The Craft and Art of Clay, Prentice Hall

Choir, Concert

06351

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed as an ensemble consisting of students performing choral music of a high technical and musical level, in a variety of musical styles. Students practice vocal techniques including tone production, posture, breathing, and ensemble blending. Listening skills for musicianship are developed. Basic skills of reading music and singing music at sight are stressed.

Performance participation required. This course may be repeated for a maximum of 40 credits.

Pre-requisite(s): Introduction to Concert Choir

Adopted curricular materials: No textbook assigned

Dance Composition & Performance I

06461

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed for the student/dancer to become a part of a performing troupe. Rhythmycal Maddness: Elk Grove High School; Master Peace: Florin High School; Infinite Motion: Franklin High School; Fusion Dance Company: Laguna Creek High School; Impulse: Monterey Trail High School; Soul Purpose: Pleasant Grove High School and Universal Rhythm: Sheldon High School. Level I is an introductory level experience in the creative process of dance choreography. Students will participate in student choreography, and be introduced to the many facets of production. All students will participate in all aspects of the main stage production, recitals, and lecture demonstration performance.

Pre-requisite(s): Jazz Dance I and successful audition

Adopted curricular materials: Dance Composition, Human Kinetics



Dance Composition & Performance II

06462

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed to provide students with an intermediate level experience in the creative process of dance choreography. Students will participate in group choreography projects utilizing the creative process of dance as well as historical and social contribution. Students will be actively involved in all production facets of main stage through committee work chairs, student directors and producers. All students will participate in the performance and production components of a main stage production. Recital and lecture demonstration performances are also required.

Pre-requisite(s): Dance Composition and Performance I and audition

Adopted curricular materials: Dance- the Art of Production, Princeton

Dance Composition & Performance III

06463

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed to provide students with an advanced level experience in the creative process of dance choreography. All third year students will be required to choreograph and set a major piece of choreography. They are required to take on leadership roles as student directors/producers or committee chairs. All third year students need to incorporate a mentoring component in some capacity, which can also serve as community service. Students will take on leadership roles for the production components of main stage and are required to perform in the main stage production, recitals, and lecture demonstration performances.

Pre-requisite(s): Dance Composition and Performance II and audition

Adopted curricular materials: No textbook assigned

Dance Composition & Performance IV

06464

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course focuses on advance level proficiency in the creative process of dance choreography. Individual choreography requirements. Teaching experiences provided in class, off campus enrichment classes to feeder schools, mentors to new company members. Oversee all aspects of production as assistant directors to the main stage production and lecture demonstration performances or committee chairmen for production committees. Internships with community college dance companies will be provided.

Pre-requisite(s): Dance Composition and Performance III and an audition

Adopted curricular materials: No textbook assigned

Dance I, Beginning

06465

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course offers students beginning dance technique and choreography. Students will be introduced to various dance styles, including ballet and modern dance, jazz and tap dance, social and cultural dance, and contemporary and hip-hop dance. Students will gain an appreciation for dance as an art form and develop foundational skills necessary to pursue a variety of careers in dance. This course includes the application of the choreographic elements and principles, the study of history and evolution of dance, and an exploration of dance from a careers perspective.

Adopted curricular materials: Discovering Dance, Human Kinetics



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Dance II, Intermediate

06466

Department: Visual/Performing Arts

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course offers students intermediate dance technique and choreography. Students develop intermediate dance skills, including ballet and modern dance, jazz and tap dance, social and cultural dance, and contemporary and hip-hop dance. Students will gain a deeper connection to dance as an art form and develop intermediate skills necessary to pursue a variety of careers in dance. Students will be introduced to production elements such as staging, lighting and sound, and company organization and management in professional dance careers. This course may be repeated for a maximum of 20 credits.

Pre-requisite(s): Successful completion of a beginning-level dance course and/or audition

Adopted curricular materials: Experiencing Dance: From Student to Dance Artist, Second Edition, Human Kinetics

Dance III, Advanced

06468

Department: Visual/Performing Arts

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course provides advanced dance technique and choreography skills to create project-based performances for live, film, and video production. Students will develop advanced dance skills of various dance styles, including ballet and modern dance, jazz and tap dance, social and cultural dance, and contemporary and hip-hop dance. Students will reflect upon their dance studies and establish their own voice within the world of dance. Students will prepare audition or choreographic portfolios, learn business/managerial skills, and develop a professional career plan. This course may be repeated for a maximum of 20 credits.

Pre-requisite(s): Successful completion of an intermediate-level dance course and audition

Adopted curricular materials: Dance Production and Management, Princeton Book Company, Publishers

Drama Production I and II/Stagecraft

06440

Department: Visual/Performing Arts

Grade Level: 10-12

Credits: 5.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course focuses on the production aspect of plays. Students will analyze plays to determine appropriate set design, costuming, lighting and make-up. Activities included will be designing, constructing, and painting backdrops and stage sets. Tests will be given and students will be expected to complete individual projects. This course may be repeated for a maximum of 30 credits.

Adopted curricular materials: Play Productions Today or Theatrical Design & Production, McGraw-Hill

Drumming

06312

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: None

NCAA: No

This course is offered as a one or two-semester course open to any interested students. The focus of the curriculum is basic drumming rudiments and rhythm reading through modern and traditional hand drumming techniques. Members of this class will prepare and perform programs for presentation to the school community as well as accompany the various dance classes for special performances. This course may be repeated for a maximum of 10 credits.

Adopted curricular materials: No textbook assigned

Guitar Workshop I

06310

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course focuses on beginning and intermediate acoustic guitar. Students will work individually or in small groups. Emphasis will be placed on chords, finger patterns, and reading music. This course may be repeated for a maximum of 20 credits.

Adopted curricular materials: Guitar School: Method Book 1, Alfred's



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Guitar Workshop II

06311

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course focuses on beginning and intermediate acoustic guitar. Students will work individually or in small groups. Emphasis will be placed on chords, finger patterns, and reading music. This course may be repeated for a maximum of 20 credits.

Adopted curricular materials: Guitar School: Method Book 1, Alfred's

IB Art HL1

20067

Department: Visual/Performing Arts

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This IB course is designed to study and gain an understanding of art in various cultures throughout history. Students will learn to question the who, what, when, where, and why of an art piece. This will allow them to recognize and appreciate artworks from cultures past and present. Class projects will incorporate application of various media, techniques, and processes helping students to link the connections between the visual arts and other disciplines. The course falls in two parts: Studio Work (practical) and Investigation Workbook (theoretical). IB Art HL is a more in-depth study than IB Art SL.

Adopted curricular materials: No textbook assigned

IB Art HL2

20068

Department: Visual/Performing Arts

Grade Level: 12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This IB course is designed to study and gain an understanding of art in various cultures throughout history. Students will learn to question the who, what, when, where, and why of an art piece. This will allow them to recognize and appreciate artworks from cultures past and present. Class projects will incorporate application of various media, techniques, and processes helping students to link the connections between the visual arts and other disciplines. The course falls in two parts: Studio Work (practical) and Investigation Workbook (theoretical). IB Art HL is a more in-depth study than IB Art SL.

Adopted curricular materials: No textbook assigned

IB Art SL1

20065

Department: Visual/Performing Arts

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This IB course is designed to study and gain an understanding of art in various cultures throughout history. Students will learn to question the who, what, when, where, and why of an art piece. This will allow them to recognize and appreciate artworks from cultures past and present. Class projects will incorporate application of various media, techniques, and processes helping students to link the connections between the visual arts and other disciplines. The course falls in two parts: Studio Work (practical) and Investigation Workbook (theoretical). With the permission of the instructor and administration, a student may complete IB Art SL course in one-year and take the Standard Level (SL) exam in May.

Adopted curricular materials: No textbook assigned

IB Art SL2

20066

Department: Visual/Performing Arts

Grade Level: 12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This IB course is designed to study and gain an understanding of art in various cultures throughout history. Students will learn to question the who, what, when, where, and why of an art piece. This will allow them to recognize and appreciate artworks from cultures past and present. Class projects will incorporate application of various media, techniques, and processes helping students to link the connections between the visual arts and other disciplines. The course falls in two parts: Studio Work (practical) and Investigation Workbook (theoretical). With the permission of the instructor and administration, a student may complete IB Art SL course in one-year and take the Standard Level (SL) exam in May.

Adopted curricular materials: No textbook assigned

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IB Dance HL1

20071

Department: Visual/Performing Arts

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This IB course provides a unique medium for learning about the self and the world. It is one essential component of artistic, aesthetic, and cultural education and develops creative potential through physical expression. In dance, the integration of body, mind, and spirit helps participants learn skills that are transferrable to other disciplines and to their daily lives. Consistent with the educational philosophy of the IB, the Diploma Programme dance curriculum aims for a holistic approach to dance and embraces a variety of dance traditions and dance cultures--past, present, and looking towards the future. Performance, creative, and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. This orientation facilitates the development of students who may become choreographers, dance scholars, performers, teachers, business owners, or more broadly, those who seek life enrichment through dance.

Adopted curricular materials: No textbook assigned

IB Dance SL1

20069

Department: Visual/Performing Arts

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This IB course provides a unique medium for learning about the self and the world. It is one essential component of artistic, aesthetic, and cultural education and develops creative potential through physical expression. In dance, the integration of body, mind, and spirit helps participants learn skills that are transferrable to other disciplines and to their daily lives. Consistent with the educational philosophy of the IB, the Diploma Programme dance curriculum aims for a holistic approach to dance and embraces a variety of dance traditions and dance cultures--past, present, and looking towards the future. Performance, creative, and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. This orientation facilitates the development of students who may become choreographers, dance scholars, performers, teachers, business owners, or more broadly, those who seek life enrichment through dance.

Adopted curricular materials: No textbook assigned

IB Dance SL2

20070

Department: Visual/Performing Arts

Grade Level: 12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This IB course provides a unique medium for learning about the self and the world. It is one essential component of artistic, aesthetic, and cultural education and develops creative potential through physical expression. In dance, the integration of body, mind, and spirit helps participants learn skills that are transferrable to other disciplines and to their daily lives. Consistent with the educational philosophy of the IB, the Diploma Programme dance curriculum aims for a holistic approach to dance and embraces a variety of dance traditions and dance cultures--past, present, and looking towards the future. Performance, creative, and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. This orientation facilitates the development of students who may become choreographers, dance scholars, performers, teachers, business owners, or more broadly, those who seek life enrichment through dance.

Adopted curricular materials: No textbook assigned



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IB Music HL2

20064

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: None

NCAA: No

This course is designed to give students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities, and understanding through performance and composition. Students will be expected to demonstrate their understanding of music by performing, by using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods, and by exploring music through music theory, sight singing, composition, history, and cultural context. Students are expected to complete the 1B music and/or the AP music theory exam in May. 1B Music HL is a more in-depth study than 1B Music SL.

Pre-requisite(s): Introductory instruction in music, through private study or prior band, orchestra, or choral experience

Co-Requisite: Enrollment in advanced performance ensemble at LCHS (Vocal Ensemble, Symphonic Band, alternatives at the discretion of the IE instructor)

Adopted curricular materials: Tonal Harmony, McGraw-Hill

IB Music SL1

20061

Department: Visual/Performing Arts

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This IB course is designed to give students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities, and understanding through performance and composition. Students will be expected to demonstrate their understanding of music by performing, using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods, and exploring music through music theory, sight singing, composition, history, and cultural context. Students are expected to complete the Music SL1B music exam in May. With the permission of the instructor, a student may complete IB Music SL course in one-year and take the Standard Level (SL) exam in May.

Pre-requisite(s): Enrollment in Advanced Performance Ensemble (Vocal Ensemble, Symphonic Band, alternatives at the discretion of the IB instructor)

Adopted curricular materials: Tonal Harmony, McGraw-Hill

IB Music SL2

20062

Department: Visual/Performing Arts

Grade Level: 12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This IB course is designed to give students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities, and understanding through performance and composition. Students will be expected to demonstrate their understanding of music by performing, using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods, and exploring music through music theory, sight singing, composition, history, and cultural context. Students are expected to complete the Music SL2B music exam in May. With the permission of the instructor, a student may complete IB Music SL course in one-year and take the Standard Level (SL) exam in May.

Pre-requisite(s): Enrollment in Advanced Performance Ensemble (Vocal Ensemble, Symphonic Band, alternatives at the discretion of the IB instructor)

Adopted curricular materials: Tonal Harmony, McGraw-Hill



Mixed Media

06605

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course introduces students to drawing and painting medias, as well as more industrial materials, allowing students to do a variety of hands-on activities using a variety of materials. Activities may involve the use of two and three-dimensional art. Student projects will involve the elements and principles of design. The four components of art including: artistic perception, creative expression, historical and cultural context, and aesthetic valuing will be also applied to class work. This course may be repeated for a maximum of 10 credits.

Adopted curricular materials: No textbook assigned

Music Appreciation

06314

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 5.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course offers a survey of various styles of music. It is a study of the musical elements, instrumentation, form, and the unique sounds that make music what it is today. Historical periods covered are the Renaissance, Baroque, Classical, Romantic, and 20th Century. Jazz, rock, and other contemporary forms of music will also be explored. The class will include listening, analyzing and understanding music.

Adopted curricular materials: Enjoyment of Music, W.W. Norton

Photography I

06210

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course provides an outline of the history of photography, the basic design elements, cameras; pinhole, simple, and single lens reflex, film types, processing of black and white film, composition, projection and contact printing types of photography; portrait, action, close-up and still life, use of lithographic films for graphic arts, finishing prints for exhibition, and subject treatment. It will cover a variety of lab techniques and safe chemical handling practices.

Adopted curricular materials: Focus on Photography, 2nd Edition, Davis Publishing

Photography II

06220

Department: Visual/Performing Arts

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed to improve on previously learned skills in composing and shooting, developing and printing, mounting and preparing for exhibition. Photography II continues development of skills learned in Photography I. They will study new lab techniques and apply them. They will learn to use a variety of lenses such as micro, zoom and telephoto. Students will study past and present photographers and their contributions to the art of photography. They will learn and apply such techniques as texture screens, combination printing, polarizations, high contrast printing, toning, hand coloring vignetting, and motion control. Students will be encouraged to enter a variety of contests and shows. This course may be repeated for a maximum of 20 credits.

Pre-requisite(s): Photography I with a grade of C or better or instructor approval

Adopted curricular materials: Photography, 12th Edition, Pearson

Photography III

06230

Department: Visual/Performing Arts

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course focuses on continued development of skills and techniques learned in Photography I and II. Personal development of style and versatility of medium will be stressed. All students will prepare a portfolio of 10 exhibition finished prints in duplicate each semester. Students will study in-depth historically important American photographers and their work and apply some of their techniques to their own work.

Pre-requisite(s): Photography I and II with a grade of C or better and instructor approval

Adopted curricular materials: No textbook assigned



Photography IV

06240

Department: Visual/Performing Arts

Grade Level: 12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course offers students the opportunity to work with a variety of films, push films, experiment with new techniques, obtain photojournalism and art jobs in the community and on campus. They will continue to improve their skills in Fine Arts Photography with composition skills and personal expression stressed. Students will concentrate on preparing a portfolio of professionally finished prints for possible submission for advanced credit and for exhibition and competition. Homework is required. Pre-requisite(s): Photography I, II, and III with a grade of C or better and instructor approval (bring portfolio when requesting instructor approval)

Adopted curricular materials: No textbook assigned

Piano Lab

06313

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed to teach basic note and rhythm reading for a piano keyboard. Students will work individually on their playing skills. The course will include units on music theory and history. Skills taught are transferable to other music classes. This course may be repeated for a maximum of 20 credits.

Adopted curricular materials: Alfred's Basic Adult Piano: Lesson 1

Theatre I

06410

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed to give students experience with the Theatre. The stage, the applause, the curtain rises...who knows? We may see your name in lights! The class will be involved in Theatre games and exercises, pantomime and movement, improvisation dramatic literature, and scene presentation.

Adopted curricular materials: Basic Drama Projects, Perfection Learning

Theatre II

06420

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed for the student who has completed Theatre I or who has had other Theatre experience. The class will continue to develop and refine acting skills learned in Theatre I and will deal with the presentation of scenes, and working with one-act plays.

Pre-requisite(s): Theatre I (10 credit High School course) or instructor approval

Adopted curricular materials: Drama for Reading & Performance, Perfection Learning

Theatre III

06430

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is designed for advanced students with prior knowledge and experience in educational Theatre. Students will work in readers' Theatre, children's Theatre, and do scene work from different styles and time periods. In addition, students will be required to view and critique a live, community Theatre performance.

Pre-requisite(s): Theatre I (10 credit High School course) and Theatre II; audition

Adopted curricular materials: The Essential Theatre, Harcourt Brace



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Theatre, Advanced

06434

Department: Visual/Performing Arts

Grade Level: 10-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course is an audition class ONLY and is designed for the dedicated, serious student of Theatre. It will be a total performing class, with student selection and direction of pieces playing the major part. This course may be repeated for a maximum of 30 credits.

Pre-requisite(s): Audition with director

Adopted curricular materials: Introduction to Theatre & Drama, NTC

Vocal Ensemble

06354

Department: Visual/Performing Arts

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: Visual/Performing Arts

UC/CSU: Visual/Performing Arts (f)

NCAA: No

This course allows a performing ensemble of students with proven singing ability to perform both alone and with the concert choir. Students practice and refine their ability to use proper vocal techniques in singing music from a variety of musical styles including classical, romantic, twentieth-century, and jazz. Skills in reading music and musicianship will be developed further. This course may be repeated for a maximum of 20 credits.

Pre-requisite(s): One semester of high school choral experience and audition with director

Adopted curricular materials: No textbook assigned



World Language

French I

05110

Department: World Language

Grade Level: 07-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This course emphasizes communication by speaking, reading, writing, and understanding written and spoken French. Students will study the countries and cultures where French is spoken and will make comparisons and connections with their own language and cultures. The course will be conducted primarily in French. Homework is assigned daily.

Adopted curricular materials: Bien dit!, Level 1, Houghton Mifflin Harcourt

French II

05120

Department: World Language

Grade Level: 08-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This course is designed to increase comprehension, expression, reading, and writing in French. Students will communicate in dialogues, oral presentations and group activities. French II is taught primarily in French. A continued study of the French culture is included. Homework is assigned daily.

Pre-requisite(s): French I with a grade of C or better or instructor approval

Adopted curricular materials: Bien dit!, Level 2, Houghton Mifflin Harcourt

French III

05130

Department: World Language

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This course focuses extensively on French communication by means of French history, culture and literature. The goal of this course is to learn to write and read in French. The course is conducted entirely in French. Homework is assigned daily.

Pre-requisite(s): French II with a grade of C or better or instructor approval

Adopted curricular materials: Bien dit!, Level 3, Houghton Mifflin Harcourt

IB French B SL1

20051

Department: World Language

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This IB course prepares students to reflect, write, and speak in a variety of contexts to a variety of audiences. Students will read from many sources and perspectives from around the world. They will be exposed to accents and opinions from throughout the Francophone world. Through investigation of the cultures of the France and Francophone regions, students will become open-minded citizens of the world. With guidance, students will choose subjects for in-depth study. Students will demonstrate their knowledge, understanding, and appreciation of the language and cultures through a dossier, class-based activities, independent projects, and formal examinations.

Pre-requisite(s): French 1 and French 2 with a grade of C or better or by instructor approval

Adopted curricular materials: French B Course Companion, 2nd Edition, Oxford University Press

IB French B SL2

20052

Department: World Language

Grade Level: 12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This IB course prepares students to reflect, write, and speak in a variety of contexts to a variety of audiences. Students will read from many sources and perspectives from around the world. They will be exposed to accents and opinions from throughout the Francophone world. Through investigation of the cultures of the France and Francophone regions, students will become open-minded citizens of the world. With guidance, students will choose subjects for in-depth study. Students will demonstrate their knowledge, understanding, and appreciation of the language and cultures through a dossier, class-based activities, independent projects, and formal examinations.

Pre-requisite(s): French 1 and French 2 with a grade of C or better or by instructor approval

Adopted curricular materials: French B Course Companion, 2nd Edition, Oxford University Press

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IB Japanese B SL1

20057

Department: World Language

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This IB course is designed to provide students with the necessary language skills and intercultural understanding to communicate successfully in an environment where Japanese is spoken. The language skills of speaking, listening, writing, and reading and cultural knowledge are developed through the study and use of a range of written, auditory, audio-visual, and spoken materials related to Japanese culture. By discovering and exploring Japanese and their own culture, students are encouraged to expand an awareness of the world and develop respect for cultural diversity. IB Japanese B Standard Level students are also required to recognize and use 400 Kanji characters specified in the Japanese B List of Kanji Characters.

Pre-requisite(s): Japanese 1 and Japanese 2 with a grade of C or better or by instructor approval

Adopted curricular materials: Adventures in Japanese, Volume 3, Chen & Tsui Company

IB Japanese B SL2

20058

Department: World Language

Grade Level: 12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This IB course is designed to provide students with the necessary language skills and intercultural understanding to communicate successfully in an environment where Japanese is spoken. The language skills of speaking, listening, writing, and reading and cultural knowledge are developed through the study and use of a range of written, auditory, audio-visual, and spoken materials related to Japanese culture. By discovering and exploring Japanese and their own culture, students are encouraged to expand an awareness of the world and develop respect for cultural diversity. IB Japanese B Standard Level students are also required to recognize and use 400 Kanji characters specified in the Japanese B List of Kanji Characters.

Pre-requisite(s): Japanese 1 and Japanese 2 with a grade of C or better or by instructor approval

Adopted curricular materials: Yookoso! Continuing with Contemporary Japanese, Third Edition, McGraw-Hill

IB Spanish B SL1

20055

Department: World Language

Grade Level: 11-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This IB course is focused on the development and acquisition of Spanish up to a standard level degree and the development of cultural awareness of Spanish-speaking countries. Through the exposure of quality, authentic, level-appropriate text, auditory sources, and audio visual sources, students will develop a moderate command of the Spanish language which includes the integration of all four language skills: synthesis of written and visual-auditory sources, the formal writing process, and interpersonal and presentational speaking, and writing skills. Students will develop a deeper cultural understanding which encourages respect, compassion, and empathy toward others. Students also develop an open-mindedness and appreciation of the Spanish-speaking cultures and their contributions to the world.

Pre-requisite(s): Spanish 1 and Spanish 2 with a grade of C or better or by instructor approval

Adopted curricular materials: Spanish B Course Companion, 2nd Edition, Oxford University Press

IB Spanish B SL2

20056

Department: World Language

Grade Level: 12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This IB course is focused on the development and acquisition of Spanish up to a standard level degree and the development of cultural awareness of Spanish-speaking countries. Through the exposure of quality, authentic, level-appropriate text, auditory sources, and audio visual sources, students will develop a moderate command of the Spanish language which includes the integration of all four language skills: synthesis of written and visual-auditory sources, the formal writing process, and interpersonal and presentational speaking, and writing skills. Students will develop a deeper cultural understanding which encourages respect, compassion, and empathy toward others. Students also develop an open-mindedness and appreciation of the Spanish-speaking cultures and their contributions to the world.

Pre-requisite(s): Spanish 1 and Spanish 2 with a grade of C or better or by instructor approval

Adopted curricular materials: Spanish B Course Companion, 2nd Edition, Oxford University Press

UC/CSU = College Approved, Grad Req = Graduation Requirement, NCAA = Student Athletes Eligible Course



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Japanese I

05310

Department: World Language

Grade Level: 07-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This course emphasizes communication in Japanese by speaking, listening, reading, and writing. Students will study the countries and cultures where Japanese is spoken and will make comparisons and connections with their own. The course will be conducted primarily in Japanese. Homework is assigned daily.

Adopted curricular materials: Haruichiban, Kisetsu

Japanese II

05320

Department: World Language

Grade Level: 08-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This course provides increased emphasis in comprehension, expression, reading, and writing Japanese. Students will improve their communication in Japanese in dialogues, oral presentations and group activities. Japanese II is taught primarily in Japanese. A continued study of the Japanese culture is included. Homework is assigned daily.

Pre-requisite(s): Japanese I with a grade of C or instructor approval

Adopted curricular materials: Ginga, Kisetsu

Japanese III

05330

Department: World Language

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This course emphasizes listening, speaking, writing, and reading in Japanese. Students will communicate in Japanese. Students will continue to deepen their knowledge of culture. The course is conducted primarily in Japanese. Homework is assigned daily.

Pre-requisite(s): Japanese II with a grade of C or better or instructor approval

Adopted curricular materials: Genki II, Second Edition, The Japan Times, Ltd.

Spanish I

05010

Department: World Language

Grade Level: 07-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This high school level college preparatory course focuses on communication in Spanish by speaking, reading, writing, and understanding written and spoken Spanish. Students will study the countries and cultures where Spanish is spoken and will make comparisons and connections with their own language and culture. This class will be conducted mostly in Spanish. This course is for students who have a background in Spanish or those who can devote the time necessary to learn a world language. Students who take this course will be encouraged to take Spanish for at least four years.

Adopted curricular materials: Readlidades, Level 1, Pearson

Spanish II

05020

Department: World Language

Grade Level: 08-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This high school level college preparatory course provides students the opportunity to improve their communication in Spanish in dialogues, oral presentations and group activities. Increased emphasis will be placed on comprehension, expression, reading, and writing. A continued study of the Spanish culture is included. This class will be conducted in Spanish.

Pre-requisite(s): Spanish I

Adopted curricular materials: Realidades, Level 2, Pearson



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Spanish III

05030

Department: World Language

Grade Level: 09-12

Credits: 10.0

Graduation Requirement: World Language

UC/CSU: World Language (e)

NCAA: Yes

This course emphasizes communication skills in speaking, listening, writing and reading in Spanish. Spanish history, culture, and literature are studied extensively. Students will communicate well in Spanish. The course is conducted entirely in Spanish.

Homework is assigned daily.

Pre-requisite(s): Spanish II with a grade of C or better

Adopted curricular materials: Realidades, Level 3, Pearson