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EDEN AREA ROP

Course
Catalog



THE MISSION

OF THE EDEN AREA REGIONAL OCCUPATIONAL PROGRAM

IS TO PREPARE
STUDENTS

FOR CAREERS
& FURTHER EDUCATION

AS WELL AS TO INSTILL WORKPLACE VALUES

THAT WILL ENABLE THEM

TO COMPETE
SUCCESSFULLY

IN THE ECONOMY

OF TODAY & THE FUTURE



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Eden Area ROP is accredited by The Western Association of Schools and Colleges (WASC).

ABOUT US

What is ROP? Regional Occupational Programs (ROPs) are one of the longest-standing forms of postsecondary career preparedness in California. The intent of the ROP structure is to provide a hands-on learning experience through Career and Technical Education (CTE) curriculum for students (16 and older) and adults with entry-level career and technical training. Eden Area Regional Occupation Program offers courses on site, and at Castro Valley, Hayward, San Leandro and San Lorenzo Unified School Districts. These courses prepare students for careers and further education, as well as to instill workplace values that will enable them to compete successfully in the economy of today and the future.

Why Take Courses At Eden ROP?

Experience is the greatest teacher. We offer hands-on career training that covers 12 different business sectors. Many of our courses also offer the opportunity to earn industry recognized certification. Our facility is fully outfitted with industry standard equipment and credentialed instructors with years of real world experience.

How Do I Register for R.O.P. Classes?

Students who are interested in registering for ROP classes are encouraged to make an appointment with their high school counselor or visit the career center on their high school campus. Students may also visit our website www.edenrop.org

Are High School & College Credits Available?

Yes! All courses offer high school credits. Some courses fulfill math and science credits for graduation. Many of our courses have articulation agreements with local community colleges, allowing students the opportunity to earn college credit.

What Is An Articulation? Articulation (Community College Credit) is defined as a planned process linking two or more education systems to assist students in making a smooth transition from the secondary level of occupational or academic training to the two-year and four-year post secondary level without experiencing a delay of duplication of learning. Articulation is envisioned as a continuum of skills which may lead to advanced placement and students being able to receive college credit for articulated high school classes (See page 33-34).

What Is The Cost? ROP is free to high school students.

What About Transportation? Eden Area ROP provides free bus transportation to and from student's home school, for any student enrolled in our programs at the center (See page 7).

Are There Any Other Costs? Some of our courses may have additional costs for uniforms, protective equipment, or medical costs.

What Is A Community Classroom? A community classroom (work-site learning also known as an internship) is an instructional methodology that supplements classroom instruction. It allows a student to expand on their classroom instruction at a job site in a non-paid position.

Is Business Involved? Over three hundred local employers participate on ROP advisory committees to keep training current with industry standards. Many classes offer non-paid internships or on-the-job training at businesses and industry sites throughout the county. Employers who need highly skilled, motivated employees hire ROP graduates!

150+ CLASSES
TWELVE
INDUSTRY
SECTORS
4,500+
STUDENTS

4 DISTRICTS SERVED

CASTRO VALLEY UNIFIED SCHOOL DISTRICT
HAYWARD UNIFIED SCHOOL DISTRICT
SAN LEANDRO UNIFIED SCHOOL DISTRICT
SAN LORENZO UNIFIED SCHOOL DISTRICT



2020-2021 BUS SCHEDULE

*****ALL STUDENTS SHOULD ARRIVE AT LEAST 5 MINUTES BEFORE DEPARTURE TIMES*****

CASTRO VALLEY UNIFIED SCHOOL DISTRICT

No Morning ROP Classes.

	DEPART HOME SCHOOL	ARRIVE AT ROP	DEPART FROM ROP	ARRIVE AT HOME SCHOOL
PM				
Castro Valley	11:55 am	12:20 pm	3:35 pm	3:55 pm
Redwood	12:00 pm	12:20 pm	3:35 pm	4:00 pm

HAYWARD UNIFIED SCHOOL DISTRICT

	DEPART HOME SCHOOL	ARRIVE AT ROP	DEPART FROM ROP	ARRIVE AT HOME SCHOOL
AM				
Hayward	7:00 am	7:45 am	11:05 am	11:20 am
Tennyson	7:15 am	7:45 am	11:05 am	11:20 am
Mt. Eden	7:25 am	7:50 am	11:05 am	11:15 am

Thursday Only (Hayward, Mt. Eden & Tennyson)

7:30 am	7:50 am	*10:10 am	*10:20 am
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	DEPART HOME SCHOOL	ARRIVE AT ROP	DEPART FROM ROP	ARRIVE AT HOME SCHOOL
PM				
Brenkwitz	12:10 pm	12:30 pm	3:35 pm	3:45 pm
Hayward	12:15 pm	12:35 pm	3:35 pm	4:00 pm
Mt. Eden	12:15 pm	12:35 pm	3:35 pm	3:45 pm
Tennyson	12:20 pm	12:25 pm	3:35 pm	3:45 pm

SAN LEANDRO UNIFIED SCHOOL DISTRICT

	DEPART HOME SCHOOL	ARRIVE AT ROP	DEPART FROM ROP	ARRIVE AT HOME SCHOOL
AM				
San Leandro	7:15 am	7:45 am	11:05 am	11:25 am

Thursday Only (San Leandro)

San Leandro	7:15 am	7:45 am	*9:40 am	*10:00 am
Lincoln	7:05 am	7:45 am	11:05 am	11:35 am

	DEPART HOME SCHOOL	ARRIVE AT ROP	DEPART FROM ROP	ARRIVE AT HOME SCHOOL
PM				
San Leandro	12:00 pm	12:20 pm	3:35 pm	4:05 pm

Wednesday Only (San Leandro)

San Leandro	12:15 pm	12:35 pm	3:35 pm	4:05 pm
Lincoln	11:50 am	12:20 pm	3:35 pm	4:00 pm

SAN LORENZO UNIFIED SCHOOL DISTRICT

	DEPART HOME SCHOOL	ARRIVE AT ROP	DEPART FROM ROP	ARRIVE AT HOME SCHOOL
AM				
Arroyo	7:25 am	7:45 am	11:05 am	11:25 am
San Lorenzo	7:25 am	7:45 am	11:05 am	11:35 am

Wednesday Only (Arroyo and San Lorenzo)

7:25 am	7:45 am	*10:00 am	*10:30 am
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	DEPART HOME SCHOOL	ARRIVE AT ROP	DEPART FROM ROP	ARRIVE AT HOME SCHOOL
PM				
Arroyo	12:00 pm	12:25 pm	3:35 pm	4:00 pm
San Lorenzo	11:55 pm	12:25 pm	3:35 pm	4:00 pm
Royal Sunset	12:10 pm	12:35 pm	3:35 pm	3:50 pm

Automotive Collision and Refinishing I P

TRANSPORTATION INDUSTRY SECTOR

SLZUSD – Math Credit
UC “g” Course Credit
Skills USA Competition

PPG Certification
ICAR Certification
ASE Certification
S/P2 Certification



Automotive Collision and Refinishing introduces students to professional auto collision and painting concepts through traditional academics and hands on skill development. Students learn estimation strategies and to perform basic skills and refinishing techniques. Practical application is performed in a work-like environment during class hours.

This course emphasizes soft skill development such as professionalism, communicating effectively with others, teamwork, problem solving, and developing a positive work ethic. Students also develop a professional portfolio which serves as a resource manual and as evidence of a student’s training once they enter the professional world.

Automotive Collision and Refinishing II P

TRANSPORTATION INDUSTRY SECTOR

Skills USA Competition

PPG Certification
ICAR Certification
ASE Certification
S/P2 Certification



Automotive Collision and Refinishing II allows for returning students to expand their knowledge, experience, and workplace readiness by assuming the leadership roles of manager, instructor and mentor associated within industry. Students will lead shop operations and will be asked to “train” their crews.

Further development of work ethic, organizational, and leadership skills will provide these students with the advanced skills needed to enter the work force.

Automotive Technology I P

TRANSPORTATION INDUSTRY SECTOR

SLZUSD – Math Credit
UC “g” Course Credit
College Credit Available
Skills USA Competition

S/P2 Certification
ASE Certification



Auto Technology begins with online, industry safety training and then moves into both traditional classroom-based content and hands on shop work. Through project-based, learning activities, students will begin building a foundational understanding of standard auto maintenance needs, electrical systems, lubrication systems, and cooling and fuel systems. Students will also learn about brakes, steering and suspension, front end alignment, power train and air conditioning and will perform repair work.

Automotive Technology II P

TRANSPORTATION INDUSTRY SECTOR

UC “g” Course Credit
College Credit Available
Skills USA Competition

S/P2 Certification
ASE Certification



Automotive Technology II allows for returning students to expand their knowledge, experience, and workplace readiness by assuming the leadership roles of manager, instructor and mentor. Students will lead shop operations and will be asked to “train” their crews.

Further development of work ethic, organizational, and leadership skills will provide these students with the advanced skills needed to enter the work force.

Careers in Education I P

EDUCATION, CHILD DEVELOPMENT AND FAMILY SERVICES INDUSTRY SECTOR

UC "g" Course Credit
College Credit Available

Internship Placement
CA Child Development Permit
American Heart Association -BLS (Basic Life Support) and
Cardiopulmonary Resuscitation (CPR)
First Aid Infant and Child
Automated Electronic Defibrillator (AED)



Careers in Education studies the developmental stages of children from conception through adolescence, including the principle theories of development and their application. The course encompasses broad research about human behavior and helps students understand their own behavior, as well as children at a deeper level.

Students meet in-class two days a week at 3 hours per day and students participate in the internship component of this course three days a week. This course is designed to help the student gain a basic understanding of the mechanisms of learning, memory, thinking, intelligence, and of human development.

Careers in Education II P

EDUCATION, CHILD DEVELOPMENT AND FAMILY SERVICES INDUSTRY SECTOR

College Credit Available
UC "g" Course Credit

Internship Placement
CA Child Development Permit
American Heart Association -BLS (Basic Life Support) and
Cardiopulmonary Resuscitation (CPR)
First Aid Infant and Child
Automated Electronic Defibrillator (AED)



Careers In Education II offers an advanced study of the developmental stages of children from birth through adulthood, including major theories of development and their application. Academic instruction includes instruction identifying their personal educational values. Students study cognitive, emotional, psychological, social, and physical development. Students will learn about problem solving, critical thinking, child guidance, health and nutrition, and college/ career training in early childhood education.

This program provides students with classroom and work-based training. Students are placed in schools to assist teachers in preschool, elementary school, and special education programs.

Construction Technology I P

BUILDING TRADES AND CONSTRUCTION INDUSTRY SECTOR

SLZUSD – Math Credit
UC “g” Course Credit
College Credit Available
Skills USA Competition



The Construction Technology class addresses residential and commercial construction. The course is designed to teach basic construction skills through projects that will generate interest in applied math. The course covers basic construction math associated with measurement, scaled drawings, blueprint reading, safety and proper use of both hand and power tools relating to the general construction industry.

Students acquire these skills through real world problem solving executing small to large construction projects. Soft skills development is integrated throughout the course and includes communication, work ethic, interpersonal and team skills, critical thinking and related employment skills essential to gaining employment.

Construction Technology II P

BUILDING TRADES AND CONSTRUCTION INDUSTRY SECTOR

UC “g” Course Credit
Skills USA Competition



Construction Technology II allows returning students the opportunity to expand their construction knowledge, experience, and workplace readiness by assuming the leadership roles of manager, instructor and mentor associated with the construction industry. Second year students will lead field operations and will be asked to “train” their crews.

Further development of student work ethic, organizational, and leadership skills will provide these students with the advanced maturity and character associated with a higher work force entry level and a greater appreciation of the career development process.

Criminal Justice/Forensics I P

PUBLIC SERVICES INDUSTRY SECTOR

SLZUSD – Science Credit
HUSD – Science Credit
UC “g” Course Credit
College Credit Available
Skills USA Competition



Criminal Justice/Forensics consists of three different fields of study; Criminal Justice, Criminal Justice Operations, and Forensics. Students are introduced to the history, structure, and function of the American legal system. They will explore current public safety career opportunities and learn criminal justice operations and procedures. Students will learn forensic science and crime scene investigation methods through hands on application.

Students also participate in physical agility training as required by the police department.

Criminal Justice/Forensics II P

PUBLIC SERVICES INDUSTRY SECTOR

UC “g” Course Credit
College Credit - application pending for this course
Skills USA Competition



Criminal Justice/Forensics II allows returning students the opportunity to expand their knowledge, experience, and workplace readiness by assuming the leadership roles of manager, instructor and mentor. Second year students will lead field operations and will focus on the area of forensics. Students will be asked to “lead” their investigative team and lead drills.

Further development of student work ethic, organizational, and leadership skills will provide these students with the advanced maturity and character associated with a higher work force entry level and a greater appreciation of the career development process.

Culinary Science I P

HOSPITALITY, TOURISM AND RECREATION INDUSTRY SECTOR

UC "g" Course Credit
College Credit Available
Servsafe Food Handler's Certification
ProServe Competition



Culinary Science is designed to inspire students to explore the exciting world of Culinary Arts; career opportunities, fundamentals of food preparation and presentation, kitchen safety and sanitation, nutrition, menu development, event planning, food-cost & control, customer service and entrepreneurship. This course contains an integrated real-world work-study component throughout the academic year as students cater events from planning to implementation. Students will acquire the management and culinary skills needed for a career in the restaurant and food service industry.

Culinary Science II P

HOSPITALITY, TOURISM AND RECREATION INDUSTRY SECTOR

UC "g" Course Credit
Servsafe Food Handler's Certification
ProServe Competition



Culinary Science II provides students an opportunity to work in an industry grade commercial kitchen setting, provides opportunities to interact with industry partners and experts via guest presentations and/or visiting local industries. Students will participate by completing a variety of advanced level hands on tasks and longer projects that serve to assist them in demonstrating competency in all phases of food service and food production. Students will participate in a capstone project and a series of labs that progress toward mastery of the college and career readiness skills and competencies of an entry level position in the industry sector.

Cybersecurity I P

INFORMATION AND COMMUNICATION TECHNOLOGIES SECTOR

SLZUSD Math Credit
UC "g" Course Credit
College Credit Available
Cyber Patriot Competition
Skills USA Competition

CompTIA A+
CCNA Cyber Ops Certification



Cybersecurity prepares students for a career in network administration and information technology support services with a focus on cybersecurity. This hands-on course covers the fundamentals of computer hardware and software and advanced concepts such as security, networking, and the responsibilities of an IT professional.

Topics include mobile operating systems, OS X, Linux, and client-side virtualization. Curriculum content is designed to prepare students for careers in Cybersecurity and Information and Communications Technology.

Cybersecurity II P

INFORMATION AND COMMUNICATION TECHNOLOGIES SECTOR

College Credit - application pending
UC "g" Course Credit
Skills USA Competition

CompTIA A+
CCNA Cyber Ops Certification



Cybersecurity II builds on the technical skills and knowledge students acquired in Cybersecurity I. Cybersecurity II prepares students for post-secondary information technology majors and for careers in network administration and information technology support services with a focus on cybersecurity.

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum.

Dental Assisting I P

HEALTH SCIENCE AND MEDICAL TECHNOLOGY INDUSTRY SECTOR

SLUSD & SLZUSD Health & Safety Credit
HUSD, SLUSD, & SLZUSD Science Credit
UC "d" Course Credit

Infection Control Certificate
X-ray Certificate
Coronal Polish Certificate
Pit and Fissure Certificate



The Dental Assisting Program focuses on the fundamentals of dental assisting as it prepares students for entry-level employment as a chairside dental assistant. Students work independently, as well as collaboratively studying topics such as Infection Control, Dental Anatomy, Dental Charting, Clinical Sciences, and Dental Materials and Anatomy and Physiology. Students apply knowledge through a variety of lab activities. Students will be assessed through written exams and "hands-on" skills.

Dental Assisting II P

HEALTH SCIENCE AND MEDICAL TECHNOLOGY INDUSTRY SECTOR

UC "g" Course Credit

Internship
Infection Control Certificate
Option Certificate
Coronal Polish Certificate
Pit and Fissure Certificate
Dental Assisting Certification after 2.25 years of study including a short course after graduation.



Dental Assisting II picks up where Dental Assisting I left off. It expands on the principles and techniques presented and delves into more advanced concepts such as Ethics and Dental Law, Radiography, Pharmacology, and Business Management. Students work independently, as well as collaboratively. Students will be assessed through written exams and "hands-on" skills. Each student will complete a six-week unpaid internship in a dental office in our community.



“Being an Ambassador has helped me learn to present information and develop relationships. The opportunity to speak at the Business Partner Breakfast and to lead sophomore tours has increased my confidence. I am proud of how much I have grown.”

Keawe Moe
Mt. Eden High School
Class of 2020

STUDENT LEADERSHIP

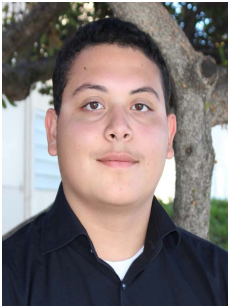


83%

Of students say their knowledge and skills have improved through the use of technology.

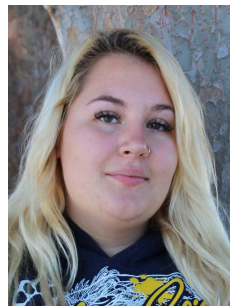
78%

Of students say the ROP curriculum is challenging and has real world experience.



86%

Of students say that they have learned the importance of being on time, meeting deadlines, being on time, and completing assigned work.



83%

Of students now plan on continuing their education after high school.

86%

Of students have learned the importance of continuing to learn throughout their career.



82%

Of students say they have learned about career pathways and requirements including advanced jobs in their field of student.



89%

Of students say they have learned the importance of respect for others.

First Responder (Fire Science/EMT) I P

PUBLIC SERVICES INDUSTRY SECTOR

SLZUSD – Science Credit
UC “g” Course Credit
College Credit Available
Skills USA Competition

Basic Life Support (BLS)
Cardiopulmonary Resuscitation (CPR)
First Aid
Automated External Defibrillator (AED)
Community Emergency Response Team (CERT)



First Responder (Fire Science/EMT) introduces students to the skills and knowledge required of firefighters, Emergency Medical Technicians (EMT) and paramedics. Students study the philosophy and history of fire protection; review of municipal fire defenses; examination of the organization and function of Federal, State, County, and private protection agencies and survey of professional fire protection career opportunities.

The curriculum covers fire response and first responders training. Students also participate in physical agility training as required by the fire department and participate in ride-alongs, fire station visits and are coached by local fire fighters.

First Responder (Fire Science/EMT) II P

PUBLIC SERVICES INDUSTRY SECTOR

UC “g” Course Credit
Skills USA Competition

Basic Life Support (BLS)
Cardiopulmonary Resuscitation (CPR)
First Aid
Automated External Defibrillator (AED)
Community Emergency Response Team (CERT)



First Responder (Fire Science/EMT) II allows for returning students to expand their knowledge, experience, and workplace readiness by assuming the leadership roles on their teams, acting as instructor and mentoring new students. Students will lead first responder units and will be asked to “train” their crews.

Further development of work ethic, organizational, and leadership skills will provide these students with the advanced skills needed to enter the work force.

Graphics I P

ARTS, MEDIA AND ENTERTAINMENT INDUSTRY SECTOR

SLZUSD – Fine Arts Credit
UC "g" Course Credit
College Credit - application pending

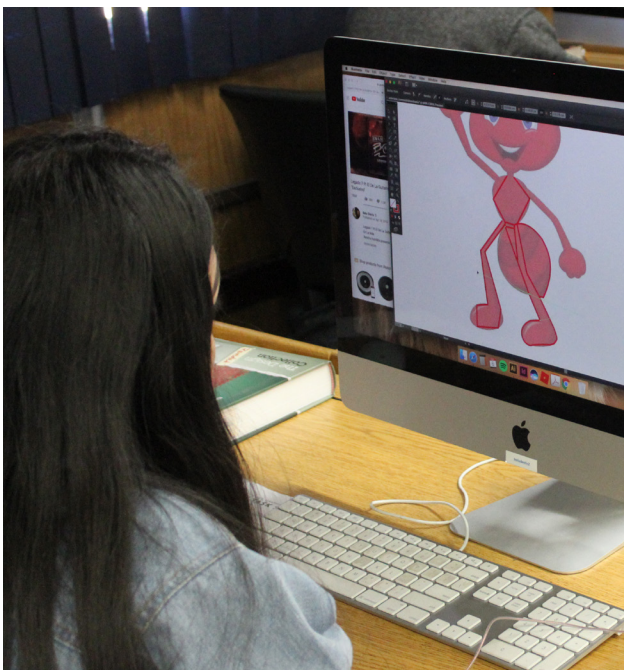


Graphics is an introductory course for aspiring designers. The course is designed to prepare students for further education, expose them to careers within the Graphic Design Industry, and instill workplace values and ethics. A student's ability to design will be influenced and enhanced by lessons taught on Digital Illustration, Image Manipulation, Concept Development, Identity Design, Page Layout, Print Production, Branding, Web Graphics, Social Media, Advertising, and Creative Marketing. Assignments will also strengthen visual communication skills.

Graphics II P

ARTS, MEDIA AND ENTERTAINMENT INDUSTRY SECTOR

UC "g" Course Credit



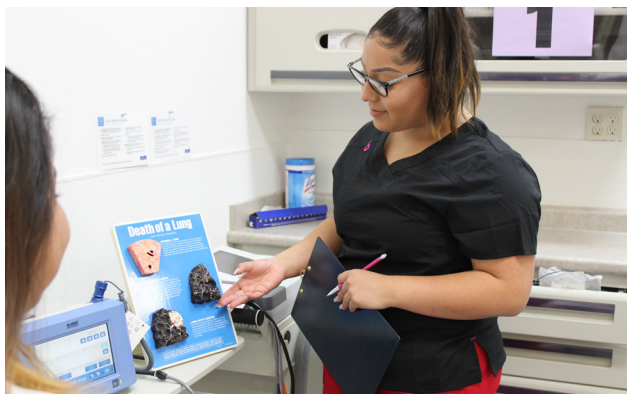
Graphics II will focus on mastery while providing students with the necessary experience to demonstrate proficiency when using Adobe Creative Suite. This course builds upon the foundations taught in Graphics I by reviewing content, and introducing new themes not previously taught including the work processes of editing and producing print and screen graphics for clients. Students will be given leadership responsibilities and self-paced projects in addition to opportunities to complete freelance design projects. Students will further strengthen design skills, presentation skills and digital competencies required for entry-level positions through the completion of twelve projects.

Medical Careers I P

HEALTH SCIENCE AND MEDICAL TECHNOLOGY INDUSTRY SECTOR

SLUSD & SLZUSD – Science and Health Credit
CVUSD & HUSD – Science Credit
UC “g” Course Credit
College Credit Available

American Heart Association -BLS (Basic Life Support for Healthcare providers) and Cardiopulmonary Resuscitation (CPR)
Medical Assistant Certificate
NHA Preparation for CCMA and CET



Medical Careers I focuses on medical terminology, human anatomy and physiology, clinical and laboratory skills (immunizations, blood draw, urinalysis, EKGs), and administrative skills as well as HIPAA (Health Insurance Portability and Accountability Act), laws governing health care, workplace skills, workplace safety, and managerial skills to be successful in the medical field. Students will also complete AHA BLS/CPR (Cardiopulmonary Resuscitation)/AED (automated external defibrillator)/First Aid, OSHA (Occupational Safety and Health Administration) standards for handling bodily fluids, infection control, and practice resume writing and interview skills.

Students in this course will explore careers in health professions by having the option to be placed in an internship 1-4 days per week. The course will also prepare students for the National Health Association (CCMA) exam for Medical Assistants.

Medical Careers II P

HEALTH SCIENCE AND MEDICAL TECHNOLOGY INDUSTRY SECTOR

College Credit Available
UC “g” Course Credit
Skills USA Competition

American Heart Association - BLS (Basic Life Support for Healthcare providers) and Cardiopulmonary Resuscitation (CPR)
Medical Assistant Certificate
NHA Preparation for CCMA and CET



Medical Careers II students receive a reintroduction to HIPAA (Health Insurance Portability and Accountability Act). Students advance their medical vocabulary, improve their knowledge of anatomy and physiology, and they explore careers in the health professions. Students will be introduced to various specialties such as pediatrics, obstetrics and gynecology, geriatrics as well as concepts such as minor surgery, pharmacology, administrative procedures of a medical assistant and billing and coding.

Students will participate in internship 3-4 days per week and will prepare to complete the NHA (National Health Association) CCMA (Certified Clinical Medical Assistant) Examination.

Merchandising

MARKETING, SALES AND SERVICE INDUSTRY SECTOR

Pre-requisite: Special Education or
Department of Rehabilitation Client

Merchandising provides training to students with disabilities through the exploration of career clusters. They will investigate both their career interests and strengths to prepare them for career success. Students will receive educational work-based training in the classroom where they will be assessed and will work to acquire the knowledge and skills employers want. Students will be paid for part time work during the school day and will be offsite 1-3 days per week. Students must be enrolled for Merchandising through the process of an Individual Education Plan (IEP) placement meeting.



Welding Technology I P

MANUFACTURING AND PRODUCT DEVELOPMENT INDUSTRY SECTOR

SLZUSD Math Credit
UC "g" Course Credit
College Credit – pending application
Skills USA Competition



Welding Technology integrates mathematics, science, writing and welding. Students learn entry level industrial welding skills as well as shop safety. Students will study theory and practical application in the following areas; Shielded Metal Arc Welding (SMAW), Oxy-Acetylene Gas Cutting, Gas Tungsten, Gas Tungsten Arc Welding (GTAW/TIG), Flux Cored Arc Welding (FCAW) and Plasma Cutting. Students will demonstrate core academic knowledge and critical thinking skills as they apply their knowledge to projects and real-life scenarios.

Welding Technology II P

MANUFACTURING AND PRODUCT DEVELOPMENT INDUSTRY SECTOR

UC "g" Course Credit
College Credit – pending application
Skills USA Competition



Welding Technology II provides the next level of experience and training in critical thinking and leadership pertaining to welding and metal fabrication. This course helps students understand the various employment opportunities that exist in occupations such as engineering, metal fabrication and materials joining, and the many related occupations associated with these fields such as welding inspection, sales, and management. Students gain more advanced experience in joining and fastening materials through welding techniques. They will design, create, present, and evaluate welded products.

PARTICIPATING SCHOOL SITES

FOR MORE INFORMATION, CALL EDEN AREA ROP AT (510) 293-2900 OR (510) 293-2973

CASTRO VALLEY UNIFIED SCHOOL DISTRICT

CASTRO VALLEY HIGH SCHOOL

19400 Santa Maria Avenue
Castro Valley, CA 94546
(510) 537-5910

AUTO 1-2 **Grades 9-12**

Prerequisites: None

Description: Auto 1-2 is an introductory course that explores the modern automobile, its major systems, and careers in the Transportation Industry. The emphasis of this course is on entry level skills and car owner knowledge. Topics will include the safety, tools, tires, wheel alignments, multipoint inspections, engines, transmissions, suspensions, steering, brakes, and electrical systems including computer controls. The first part of the course is primarily in the classroom in conjunction with hands-on activities in the shop to apply the concepts learned in the classroom. Second part of the course is hands-on activities including engine repair, intro to welding, and intro to electrical repair.

ADV AUTO MECHANICS **Grades 11-12**

Prerequisites: None; however, Auto 1-2 is recommended.

Description: This course provides students the opportunity to develop entry level job skills in the transportation industry. Instruction includes an emphasis on time management and soft skills. Units of instruction include basic fundamentals, maintenance, brakes, steering/suspension, engine, transmission and electrical. Students learn through both individual and collaborative team activities, projects and problem solving. Class may be repeated for credit with instructor's approval.

BIOTECHNOLOGY (HABIT) **Grades 11-12**

Prerequisites: Completion of Biology 1-2 and Integrated II with a "C" or better. Completion of, or concurrent enrollment in, Chemistry with a "C" or better.

Description: This course is designed to introduce students to the concepts and practices of modern biotechnology, thus enabling them to further pursue academic and industrial opportunities. The emphasis is on practical methods and basic concepts of molecular biology, utilizing modern equipment, and state-of-the-art protocols.

BUSINESS ECONOMICS I P **Grades 11-12**

Prerequisites: Students who have taken Marketing Economics with a minimum "B" semester grade are eligible to enroll in Econ of Business.

Description: Economics of Business is a two-semester course. Fall semester focuses on microeconomics concepts: supply & demand, business organization and competition, international trade, the marketing process, management structures, and the Corporate Form of Business in the US. The Junior Achievement Corporation (with corporate sponsors) is a major portion of first semester. Second semester focuses primarily on Macroeconomics with volunteers from the Venture Capital Roundtable of Silicon Valley to assist students with Business Plans, International Marketing/Business Plans, Market Research Projects, and other written events for DECA competitions.

CISCO 1 ADV. TECH **Grades 10-12**

Prerequisites: IT Essentials completed

Description: This course uses industry based curriculum developed by the CISCO Corporation and is designed to prepare students for employment as computer network designers, installers, and network maintenance and technology support technicians. Students exiting the program may take certification tests through the CISCO Certified Internetworking Association.

Internet Engineering is an interdisciplinary course designed to prepare students for post-secondary success in the Information and Communication Technologies (ICT) field. The course engages students with studies of: the history and implications of network communications; the protocols which make the Internet possible; how networks provide access to services; and college and career preparation in the ICT field. This course integrates the theory and application of network communications, and exposes students to media that invites them to consider how Internet engineers think, design, and solve problems.

Nearly the entire course will be using online materials. Students learn well by doing and as such the course consists of hands-on lab sessions as well. The course is articulated with Chabot College and earns the student college credit while still in high school.

CISCO 2 NET ENGINEERING Grades 10-12

Prerequisites: CCNA-1 Completed

Description: This course uses industry based curriculum developed by the CISCO Corporation and is designed to prepare students for employment as computer network designers, installers, and network maintenance and technology support technicians. Students exiting the program may take certification tests through the CISCO Certified Internetworking Association.

In RSE, students are introduced to various facets and functions of routers, including operating systems interface (OSI) model, wide area networks (WANs), router components, startup, setup, and use of routers, input-output system (IOS), transportation control protocol (TCP/IP), and routing protocols. Students are also taught the fundamental principles of Cybersecurity Essentials. Worksite learning is an optional component of this class and is available to eligible students.

Nearly the entire course will be using online materials. Students learn well by doing and as such the course consists of hands-on lab sessions as well. The course is articulated with Chabot College and earns the student college credit while still in high school.

INFORMATION TECHNOLOGY ESSENTIALS Grades 9-12

This course introduces students to computer applications for business and home use. Topics covered include hardware and common software applications such as Word, Excel, PowerPoint, and Access. Plus an understanding of an Internet Browser for the World Wide Web, HTML, personal computer, and familiarization with its capabilities in a Windows environment. Typing skills and web page building will be included in the course.

FOOD AND NUTRITION Grades 10-12

Prerequisite: None

Description: A study of basic principles of food preparation which will include instruction in nutrition, purchasing, food handling, safety, sanitation, serving, and storage of food. Food-related careers will be explored. Laboratory includes preparation and evaluation of individual food products.

HOSPITALITY AND CULINARY ARTS Grades 10-12

Prerequisite: Must have taken Foods and Nutrition

Description: This course will provide an advanced study of the principles of food preparation and exploration of cuisines of the world as it relates to the hospitality and the food service industry. In addition, students will have the opportunity to apply their culinary and hospitality skills while learning to operate and manage all aspects of a small food service business. This capstone course provides a solid foundation for a wide range of career paths, including a small food service business, hospitality, food science, dietetics and nutrition.

MARKETING ECONOMICS I P Grades 11-12

This course provides students with an academically challenging course of study that allows students to demonstrate mastery of the course objectives. Marketing Economics is a course that focuses on the history and study of financial markets and institutions. The primary objective of this course will be to help students obtain a better understanding of these and other important financial issues facing citizens and government policy-makers both here in the U.S. and abroad. The overarching goal of these courses is to develop each students critical thinking, reading, and writing skills. An in-depth study of the economy of the 21st century and aspects of marketing are examined. Economic and marketing concepts, such as database management, advanced communications strategies, decision-making for the market place, and resource allocation and product distribution, are emphasized. Students will explore the utilization of traditional advertising, integrated marketing communications, and new media in local, regional, national and global markets. Students will be able to demonstrate critical thinking skills, to evaluate ideas and information, and to analyze and synthesize qualitative and quantitative evidence (both in the classroom and in the community). This course will enable students to establish a breadth of understanding of history and economics. Student will also be required to complete class and homework research assignments.

PHOTOGRAPHY Grades 11-12

Prerequisite: None

Description: This course is an introduction to basic photography skills. The course briefly explores "traditional" darkroom processes, but emphasizes digital photography, digital image workflow and management, including scanning, editing, image correction and output. Both the "traditional" and digital platforms explore the image making techniques used in fine art and commercial photography. Students are expected to acquire an understanding of camera operations and "visual literacy" through the exploration of Photography. In addition to photography, the course emphasizes critical thinking, problem solving, self-directed and collaborative work skills as well as the leadership skills necessary for entry into advanced digital-media training at the college level, or workplace. Students will leave the class with a portfolio, a resume listing the relevant skills they have learned, and basic interviewing techniques.

ADV PHOTOGRAPHY Grades 12

Prerequisite: Students must have completed at least one previous year-long course in photography with a grade of "C" or better or instructor approval.

Description: The Advanced Photography course extends the students' basic photography, problem solving, leadership and visual literacy skills. Additionally, students will be introduced to advanced photographic techniques, including: use of artificial light sources, studio lighting, location lighting, and digital image management and editing techniques using professional-standard software. Students will be required to refine their digital printing and Photoshop skills to produce color and black & white images suitable for portfolio presentation or exhibition. Students will also learn to create images suited to the specific needs

of a "client" and create multimedia presentations that can be easily adapted for web-based presentation. Students will also create a professional resume and a portfolio consisting of black & white and/or color images in a digital-format that can be used to apply for entry-level internships, jobs or admittance to a college-level photography course.

HAYWARD UNIFIED SCHOOL DISTRICT

HAYWARD HIGH SCHOOL

1633 East Avenue
Hayward, CA 94541
(510) 723-3170

CYBERSECURITY I P

Grades 9-12

Computer Programming students use Windows-based software and C++, and/or Visual Basic to develop programs for projects with emphasis on critical thinking skills, probability and logic. Students gain mathematical understanding of formulas, how equations are input and accessed, logical systems, the flow of code, data, use of hot links and sorting. Working with Microsoft Office programs and others, students learn scripting and integration of programs. The Internet is used for research and students may design home pages with HTML. This course is designed to be a foundation class in computer programming -skills will be developed in the operation of networked computers, program documentation, program analysis and writing computer programs.

ENTREPRENEURSHIP I P

Grades 10-12

Students will identify the fundamentals of business creation, the personal attributes needed to be a successful entrepreneur, and will research various business opportunities. Topics covered include the characteristics of an entrepreneur, discovering entrepreneurial opportunities, and researching the analyzing domestic, global, and market trends. The course culminates with the student developing a hypothetical business plan to implement their unique venture that conforms to all applicable governmental laws and regulations. This course is sponsored by ROP.

ENTREPRENEURSHIP II P

Grades 11-12

Entrepreneurship II is a College prep elective course that analyzes and applies the steps for new venture creation. Using Network For Teaching Entrepreneurship (NFTE) Curriculum, the course is designed to provide students with an understanding of the external drivers and internal levels of business launching, start-ups, and financing. It is structured in modules that form the foundation for students' creation of a business plan, and investor elevator pitch. Concepts covered include entrepreneurial mindset, business structure, opportunity recognition, value proposition and market research. Students will learn to apply business theory to their own ventures, marshaling available resources to gather relevant information. By using extensive scenario analysis through classroom projects and group work, students will develop critical thinking and problem structuring skills. Experiential course activities include product development, work-based learning experiences, and participation in regional and national competitions. This course is sponsored by ROP.

PHOTOGRAPHY I P

Grades 10-12

This course trains students for various areas of specialization within the photography industry. This course is designed to integrate knowledge and hands-on learning through the production, processing, and editing of photography projects. The essentials of photography include editing techniques and aesthetics, lighting sets and background development. Those who choose to take an additional year will have the opportunity to work independently for in-depth achievement beyond the basics. They will set goals for completion of projects conducive to critique and exhibition. This course is sponsored by ROP at HHS & MEHS.

PHOTOGRAPHY II P

Grades 10-12

Extension to basic photography course. Advanced students do independent regular photo projects and learn Photoshop. This course is sponsored by ROP at HHS & MEHS.

SPORTS MEDICINE I P

Grades 10-11

Students explore human anatomy and physiology, and acquire a strong foundation for further study of these sciences. Students learn how systems of the body function and interact through physical activity, and develop a thorough understanding of the structure and function of the musculoskeletal system. This knowledge serves as a platform for understand the physiological response to injury and improving performance. Students will apply skills learned in the classroom as well as in the field practicum.

Students will be able to: a. Relate/apply their knowledge of anatomy and physiology - explore through laboratory activities designed to illustrate and expand upon concepts. b. Collect and interpret data, and finally form and communicate conclusions in lab reports and group discussions. c. Research and present anatomy and its relevance to a specific injury d. Demonstrate skills in oral and written communication by using professional terminology, developing active listening skills, and writing effectively in a variety of different formats e. Demonstrate the ability to be critical, complex and creative thinkers by completing challenging group and individual projects. f. Study and work productively, both as individuals and team members, by demonstrating initiative through various projects and assessments. g. Gain knowledge of career pathways in the medical and science field as well as the skills, knowledge and education necessary to attain a degree in this discipline.

THEATER I P

Grades 9-12

This course will contain units from pantomime, improvisation, scene study, theater games and imagination exercises, vocal warm-ups and voice study, reading plays, technical theater, theater history, costuming and playwriting. The student should get a well-rounded introduction to the theater and an understanding of the interaction of the elements of theater production.

THEATER II P

Grades 10-12

This advanced course is standards driven and covers acting, directing, improvisational theater, political theater, movement, voice, dramaturgy, theory, audition techniques, and playwriting. Emphasis is placed on performance as well as the creative process, with strong dedication to innovative

expression and imagination. Theater II will also include the technical aspects of stagecraft, and an expansion of knowledge and skills acquired in Theater I.

WOOD TECHNOLOGY I P **Grades 10-12**

This is a beginning woodworking class encompassing the use of hand tools and machines. Emphasis is placed on safety and good workmanship habits. Students will spend class time developing plans, figuring costs and layout of materials, and seeking pride in craftsmanship through well-designed woodworking projects. Instruction will include lectures, demonstrations, and hands-on building experiences. Students will be introduced to different methods of woodworking used in furniture, cabinetry, framed construction, and woodcrafts. This is a project-based class where students learn by doing and includes many hours of hands-on building experience through constructing required projects. Students will experience assignments at an individual and group level, with opportunities for advisory positions. Students will also have the opportunity to design and build projects of their own choosing. Students will build a job skills portfolio and learn about careers in the industrial trades. This course is sponsored by ROP.

WOOD TECHNOLOGY II P **Grades 10-12**

This is an advanced course where students will continue advancing their experience in safety, operations, and maintenance of woodworking machines. Emphasis will be placed on expanding skills and techniques involved in the more advanced designing and problem solving procedures. Students will have the opportunity to spend many hours on a single project in individual and team settings. Methods of woodworking in the areas of furniture, cabinetry, framed construction, and woodcraft projects will continue to be investigated. This course is sponsored by ROP.

YEARBOOK **Grades 9-12**

Yearbook publication is the class that prepares and publishes the school yearbook. Skills reinforced are paragraph writing, revision of copy, precise use of language, and organization of copy. Planning and preparing the yearbook for publication and distribution also includes artwork and photography. Students develop business skills by selling advertisements and subscriptions.

MT. EDEN HIGH SCHOOL
2300 Panama Street
Hayward, CA 94544
(510) 723-3180

ENTREPRENEURSHIP I P

Students will identify the fundamentals of business creation, the personal attributes needed to be a successful entrepreneur, and will research various business opportunities. Topics covered include the characteristics of an entrepreneur, discovering entrepreneurial opportunities, and researching the analyzing domestic, global, and market

trends. The course culminates with the student developing a hypothetical business plan to implement their unique venture that conforms to all applicable governmental laws and regulations. This course is sponsored by ROP.

ENTREPRENEURSHIP II P

Entrepreneurship II is a College prep elective course that analyzes and applies the steps for new venture creation. Using Network For Teaching Entrepreneurship (NFTE) Curriculum, the course is designed to provide students with an understanding of the external drivers and internal levels of business launching, start-ups, and financing. It is structured in modules that form the foundation for students' creation of a business plan, and investor elevator pitch. Concepts covered include entrepreneurial mindset, business structure, opportunity recognition, value proposition and market research. Students will learn to apply business theory to their own ventures, marshaling available resources to gather relevant information. By using extensive scenario analysis through classroom projects and group work, students will develop critical thinking and problem structuring skills. Experiential course activities include product development, work-based learning experiences, and participation in regional and national competitions. This course is sponsored by ROP.

PHOTOGRAPHY I

This course trains students for various areas of specialization within the photography industry. This course is designed to integrate knowledge and hands-on learning through the production, processing, and editing or photography projects. The essentials of photography include editing techniques and aesthetics, lighting sets and background development. Those who choose to take an additional year will have the opportunity to work independently for in-depth achievement beyond the basics. They will set goals for completion of projects conducive to critique and exhibition. This course is sponsored by ROP.

PHOTOGRAPHY II

Extension to basic photography course. Advanced students do independent regular photo projects and learn Photoshop. This course is sponsored by ROP.

SPORTS MEDICINE I P

Students explore human anatomy and physiology, and acquire a strong foundation for further study of these sciences. Students learn how systems of the body function and interact through physical activity, and develop a thorough understanding of the structure and function of the musculoskeletal system. This knowledge serves as a platform for understand the physiological response to injury and improving performance. Students will apply skills learned in the classroom as well as in the field practicum.

Students will be able to: a. Relate/apply their knowledge of anatomy and physiology - explore through laboratory activities designed to illustrate and expand upon concepts. b. Collect and interpret data, and finally form and communicate

conclusions in lab reports and group discussions. c. Research and present anatomy and its relevance to a specific injury d. Demonstrate skills in oral and written communication by using professional terminology, developing active listening skills, and writing effectively Students explore human anatomy and physiology, and acquire a strong foundation for further study of these sciences. Students learn how systems of the body function and interact through physical activity, and develop a thorough understanding of the structure and function of the musculoskeletal system. This knowledge serves as a platform for understand the physiological response to injury and improving performance. Students will apply skills learned in the classroom as well as in the field practicum.

Students will be able to: a. Relate/apply their knowledge of anatomy and physiology - explore through laboratory activities designed to illustrate and expand upon concepts. b. Collect and interpret data, and finally form and communicate conclusions in lab reports and group discussions. c. Research and present anatomy and its relevance to a specific injury d. Demonstrate skills in oral and written communication by using professional terminology, developing active listening skills, and writing effectively in a variety of different formats e. Demonstrate the ability to be critical, complex and creative thinkers by completing challenging group and individual projects. f. Study and work productively, both as individuals and team members, by demonstrating initiative through various projects and assessments. g. Gain knowledge of career pathways in the medical and science field as well as the skills, knowledge and education necessary to attain a degree in this discipline.

SPORTS MEDICINE II P

This Sports Medicine II course provides an excellent opportunity for students to continue to explore their interest in the fields of health science and medicine, specifically focused toward careers in athletic training, emergency field medicine, and therapeutic services. This course is aligned with California Career Technical Education Model Curriculum Standards and is a second level course in a Sports Medicine CTE pathway. This class provides a framework of advanced skills for building on the concepts learned in Sports Medicine I. Through a lecture/lab/project-based learning format, students will acquire fundamental practical concepts of training room development; risk management; administrative and legal issues; and hands-on application of theory on evaluation, assessment, prevention, treatment, and rehabilitation of athletic injuries. Career technical education standards such as communication, career planning, technology, problem solving, safety, responsibility, ethics, academic skills, technical knowledge, and teamwork are incorporated into academic units throughout the course. Students conduct individual research with in-depth reading and writing required as well. Modern health and scientific principles of care are presented and applied in various scenarios to develop cognitive and critical thinking skills. These mockups of real life scenarios will require students to perform evaluation and treatment protocols on others in order to prepare them for real life situations.

TENNYSON HIGH SCHOOL
27035 Whitman Street
Hayward, CA 94554
(510) 723-3190

BIOMEDICAL INNOVATION P

Grade 12

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community. In the Biomedical Innovation course, students will be asked to apply what they have learned in the previous three courses to solve unique problems in science, medicine, and healthcare. Students will work systematically through required problems before completing optional directed problems or independent work. Each problem is staged as a mission – a unique set of tasks the students must work through to achieve their desired objective. Students are presented with each problem in a Mission File – a document that includes a case brief, a list of completion tasks, links to available resources, as well as a reflection section. Working through the missions not only exposes students to current issues in biomedical science, but it also provides skills-based instruction in research and experimentation – tools students will use to design innovative solutions to real-world problems. Students will use what they learn in these missions as they develop and implement their independent project at the end of the year. A teacher may use additional resources in the community – the guidance of other teachers in the school, the advice of scientists or biomedical professionals, or the knowledge presented in scientific literature to help students achieve each goal.

ENTREPRENEURSHIP I P

Grades 10-12

Students will identify the fundamentals of business creation, the personal attributes needed to be a successful entrepreneur, and will research various business opportunities. Topics covered include the characteristics of an entrepreneur, discovering entrepreneurial opportunities, and researching the analyzing domestic, global, and market trends. The course culminates with the student developing a hypothetical business plan to implement their unique venture that conforms to all applicable governmental laws and regulations. This course is sponsored by ROP

ENTREPRENEURSHIP II P

Grades 11-12

Entrepreneurship II is a College prep elective course that analyzes and applies the steps for new venture creation. Using Network For Teaching Entrepreneurship (NFTE) Curriculum, the course is designed to provide students with an understanding of the external drivers and internal levels of business launching, start-ups, and financing. It is structured in modules that form the foundation for students' creation of a business plan, and investor elevator pitch. Concepts Covered include entrepreneurial mindset, business structure, opportunity recognition, value proposition and market research. Students will learn to apply business theory to their own ventures, marshaling available resources to gather relevant information. By using extensive scenario analysis through classroom projects and group work, students will develop critical thinking and problem structuring skills. Experiential course activities include product development, work-based learning experiences, and participation in regional and national competitions. This course is sponsored by ROP.

HUMAN BODY SYSTEMS

Grade 10

This is the first course in the Project Lead the Way (PLTW) Biomedical Science Pathway. In this class, students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia and infectious diseases. This course is designed to provide an overview of all the courses in the Biomedical Science program and lay the scientific foundation for subsequent courses.

MEDICAL INTERVENTIONS

Grade 11

Medical Interventions (MI) allows students to investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. Utilizing a "how-to" manual for maintaining overall health and homeostasis in the body, the course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose, and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios students will be exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario will introduce multiple types of interventions, reinforce concepts learned in the previous two courses, and present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions will be showcased across the generations of the family and will provide a look at the past, present, and future of biomedical science. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important role that scientific thinking and engineering design play in the development of interventions of the future.

MULTIMEDIA I

Grades 10-12

This is a beginning level course in multimedia production and computer technology. The course will provide students with a basic introduction to multimedia, using industry standard software and hardware. Students will learn the basic fundamentals of web design, presentation, digital image editing and basic video production/ editing. Through projects, class exercises and homework, students will learn work ethics, leadership, initiative, teamwork, self-management, and responsibility. Career path skills, such as working as a production team member, project planning and management, professional criticism, and presentation skills are introduced and practiced. The curriculum will integrate project-based learning with core academic classes in English, Social Studies, and related topics. Academic content will focus on themes related to social justice, World and American literature and historical events.

MULTIMEDIA II

Grades 11-12

This is an advanced level course in multimedia production and computer technology. It teaches advanced techniques involved in project planning, production, project completion and presentation. The course will build upon the skills learned in Multimedia I and challenge students with further skills and advanced topics. The technical aspects of the course will involve video production, editing, and streaming to the world wide web. Students will continue advanced web design production and interactive authoring. At the end of the course, students will create a digital portfolio of completed projects for personal or professional use.

PRINCIPLES OF BIO SCIENCE

Grade 9

This is the second course in the Project Lead the Way (PLTW) Biomedical Science Pathway. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases

SAN LEANDRO UNIFIED SCHOOL DISTRICT

SAN LEANDRO HIGH SCHOOL

2200 Bancroft Avenue
San Leandro, CA 94557
(510) 618-4600

AUTOMOTIVE TECHNOLOGY I

Grades 10-12

For students interested in learning about the mechanical aspects of their car, repair procedures, and the auto repair industry. The course introduces students to safety, tools, engine operation, basic engine overhaul procedures, fuel system, electrical system and drive trains—including transmissions and differentials, brakes, suspension, steering, tires, cooling systems, and lubrication systems. Shop projects will be provided for students.

AUTOMOTIVE TECHNOLOGY II

Grades 10-12

A shop-based study of automotive repair and maintenance. Students will experience many phases of automotive reconditioning comprised of, but not limited to: service, maintenance, and repair of engines, transmissions, suspensions (including alignment), tires, brakes, and cooling, fueling, and electrical systems. This class is primarily hands-on work.

BUSINESS APPLICATIONS

Grades 10-12

Business Computer Applications is an introduction to computer applications as it relates to business and home use. The course introduces and improves the skill of keyboarding, and also includes software topics in Operating Systems, Microsoft Office, Google Suite, Internet, World Wide Web, electronic mail, file management, and data communications. Hardware topics include PC system components and troubleshooting issues. Other topics include computer-based careers and trends, electronic computing issues, terminology, electronic communication skills, ethics, security, and netiquette in today's business computing environment. Business Computer Applications will provide students with computer knowledge and skills to increase their productivity which will give them a competitive advantage in the job market.

BUSINESS ECONOMICS & FINANCE (E2)

Grade 12

This course is the second class of a two year career pathway. It is an experiential learning course which provides students with knowledge of business and global business economics. Students learn about business planning, marketing and personal finance. The students explore financial aspects of credit, money management, and risk management in a global economy. Students apply macroeconomics theory in terms of supply and demand, pricing, and marketing through various class projects. This class is held in a computer lab, which provides access to the internet and simulates a true business environment. All students complete their own personal financial plan for short, medium and long term goals. Students can participate in cooperative work experiences that provide graduation credit, and mentoring. Students are encouraged to participate in the professional youth organization known as NFTE (Networking for Teaching Entrepreneurship). This is an ROP sponsored course.

BUSINESS OWNERSHIP (EI)

Grade 10

This course is the first class of a two year career pathway. This course focuses on student development, knowledge and skills vital for careers in business and entrepreneurship. During the first semester students will learn how to write a business plan to start their own small business. This is a very creative hands-on business class that supports student creativity and ownership of ideas. Academic areas of study include, but are not limited to: business law and ethics, financial strategies, and how to overcome the challenges of business ownership. During the second semester students will take their businesses global and learn about the

international business environment and its effects on small business and entrepreneurship. Students can participate in on the job cooperative training that provides high school graduation credit, mentoring and participate in the professional youth organization known as NFTE (Network for Teaching Entrepreneurship.) This is an ROP sponsored course

COLLEGE/CAREER

Grade 9

This course is designed to help students foster academic success in their high school years and to aid in successfully reaching life goals set by the individual student. This course introduces students to a decision-making process that will help them envision and plan for a future career that is productive, achievable, and stimulating. This personalized 10 year plan provides students with the focus and intrinsic motivation to succeed in high school, college, at work and in life.

GRAPHICS

Grades 10-12

Experience the many facets of a graphics occupation by engaging in the process of design problem-solving. Manipulate hand tools and computer applications within the Adobe Creative Suite to develop ideas that fit the parameters of a given job. While acquiring the ability to communicate ideas visually is essential, the real value of this class is the nurturing of imagination and creative thinking! Creativity statistics report that 98% of 3-5 year-olds test out as creative geniuses five years later; it's down to 32%. By the time students become teenagers; creative genius applies to only 10% of the population! And yet, creative thinking is one of the critical 21st century skills. This class provides the opportunity to access your hidden creativity!

MARKETING ECONOMICS I P

Grade 11

This course provides students with an academically challenging course of study that allows students to demonstrate mastery of the course objectives. Marketing Economics is a course that focuses on the history and study of financial markets and institutions. The primary objective of this course will be to help students obtain a better understanding of these and other important financial issues facing citizens and government policy-makers both here in the U.S. and abroad. The overarching goal of these courses is to develop each students critical thinking, reading, and writing skills. An in-depth study of the economy of the 21st century and aspects of marketing are examined. Economic and marketing concepts, such as database management, advanced communications strategies, decision-making for the market place, and resource allocation and product distribution, are emphasized. Students will explore the utilization of traditional advertising, integrated marketing communications, and new media in local, regional, national and global markets. Students will be able to demonstrate critical thinking skills, to evaluate ideas and information, and to analyze and synthesize qualitative and quantitative evidence (both in the classroom and in the community). This course will enable students to establish a breadth of understanding of history and economics. Student will also be required to complete class and homework research assignments.

WOOD TECHNOLOGY I **Grades 10-12**

This course teaches skills used in the woodworking trade. Students will learn and apply skills in: woodworking, teamwork, drafting, and business. These skills will enable students to see how small and large scale manufacturing operates in the business world. Students will learn the safe use of hand and power tools, how to read technical drawings, calculate measurements using whole numbers, decimals, and fractions. Building useful and beautiful projects in wood will enable students to learn in a "hands on" environment.

WOOD TECHNOLOGY II **Grades 10-12**

Students will participate in the advanced manufacturing program building on the skill gained in Wood 1. Students will take on a much higher degree of leadership and tackle more advanced projects. Students will be encouraged to enter a final advanced project into the California State Fair. Successful completion of this course will provide real job skills for students looking to move into the woodworking trade.

SAN LORENZO UNIFIED SCHOOL DISTRICT

ARROYO HIGH SCHOOL

15701 Lorenzo Avenue
San Lorenzo, CA 94580
(510) 317-4000

BUSINESS ECONOMICS AND FINANCE (E2) **Grades 12**

This course is the second class of a two year career pathway. It is an experiential learning course which provides students with knowledge of business and global business economics. Students learn about business planning, marketing and personal finance. The students explore financial aspects of credit, money management, and risk management in a global economy. Students apply macroeconomics theory in terms of supply and demand, pricing, and marketing through various class projects. This class is held in a computer lab, which provides access to the internet and simulates a true business environment. All students complete their own personal financial plan for short, medium and long term goals. Students can participate in cooperative work experiences that provide graduation credit, and mentoring. Students are encouraged to participate in the professional youth organization known as NFTE (Networking for Teaching Entrepreneurship). This is an ROP sponsored course.

BUSINESS OWNERSHIP (E1) **Grades 10-11**

This course is the first class of a two year career pathway. This course focuses on student development, knowledge and skills vital for careers in business and entrepreneurship. During the first semester students will learn how to write a business plan to start their own small business. This is a very creative hands-on business class that supports student creativity and ownership of ideas. Academic areas of study include, but are not limited to: business law and ethics, financial strategies, and how to overcome the challenges of

business ownership. During the second semester students will take their businesses global and learn about the international business environment and its effects on small business and entrepreneurship. Students can participate in on the job cooperative training that provides high school graduation credit, mentoring and participate in the professional youth organization known as NFTE (Network for Teaching Entrepreneurship.) This is an ROP sponsored course

MARKETING ECONOMICS I P **Grades 10-12**

This class is designed to help students develop skills for careers in marketing and/or for further instruction leading to careers in business. Through classroom instruction students will learn the core competencies of marketing. Students will apply marketing concepts by creating a professional portfolio and participating in marketing class projects (i.e. Food Marketing and social media campaign) as work samples. Students will learn about career development laws and will acquire knowledge to make better informed consumer choices. Through DECA (An Association of Marketing and Business Students), members will gain skills to enhance their self-confidence and leadership skills by participating in and traveling to career development competitions. Students will acquire leadership, computer and communication skills to assist them in being responsible young adults in their community, education and in the workforce. Students who are employed can earn up to 10 additional credits per semester. This is an ROP sponsored course.

PHOTOGRAPHY - BEGINNING **Grades 10-12**

Students will become technically and aesthetically proficient with both traditional and digital photography processes. Students will learn to operate a manual SLR film camera, process black and white film and prints, use a scanner, a digital camera, manipulate images in Adobe Photoshop CS4, use a photography studio and create a digital portfolio. This course will also explore the aesthetic, technical, cultural and historical aspects of photography and its role as a form of visual communication. This is an ROP sponsored course.

PHOTOGRAPHY - ADVANCED **Grades 11-12**

Students continue to build skills both in taking photos using digital cameras and film cameras and using Industry Standard software such as Photoshop CS4 for digital editing. Students will make a digital a print portfolio of images. This is an ROP sponsored course.

SPORTS MEDICINE I P **Grades 11-12**

Students explore human anatomy and physiology, and acquire a strong foundation for further study of these sciences. Students learn how systems of the body function and interact through physical activity, and develop a thorough understanding of the structure and function of the musculoskeletal system. This knowledge serves as a platform for understand the physiological response to injury and improving performance. Students will apply skills learned in the classroom as well as in the field practicum. This is an ROP sponsored course.

SAN LORENZO HIGH SCHOOL
50 East Lewelling Boulevard
San Lorenzo, CA 94580
(510) 317-3000

CRIMINAL JUSTICE I P **Grades 9-12**

The Criminal Justice course is for students interested in exploring how criminal and civil laws are enforced by law enforcement agencies and the judicial system. The course covers all areas of criminal justice and its process, including forensic science, which is the application of science to criminal and civil legal processes. Students will learn about police, court, and corrections systems. Students will also learn about laws and how they are made, causes of crimes, how citizens react to the breaking of laws, the police and the challenges they face, court procedures, correction and probation, and rehabilitation and juvenile justice.

CRIMINAL JUSTICE II P **Grades 10-12**

Criminal Justice II is a capstone course in the Public Safety Pathway. Designed to build upon Criminal Justice I, the course integrates academic and technical preparation with a focus on providing students continued in-depth and advanced instruction pertaining to the criminal justice investigation, evidence collection, and more. Through project based learning, students enrolled will explore the history of law enforcement from the early beginnings of civilization, and travel through time into current law enforcement. Crimes against the person and property get broken down by elements of the crime through research of written and case law. Upon completion of the course, students will be prepared to transition to post-secondary career training, and/or be prepared for an entry level position in today's Public Safety industry. Prerequisite: "C" or better in Criminal Justice or teacher recommendation. UC/CSU (g)

MEDIA ARTS 12 **Grades 11-12**

This course is the capstone class for the BADA students. Students will use the skills they have mastered in Basic and Advanced Video to create personal projects. Students will design and create a senior project that showcases their skills and serves the community. Students will learn through extensive hands on practice, demonstration, and discussion. Prerequisite: "C" or better in Basic and Advanced Video. Special permission can be given if the student has taken Video Production, but not Advanced Video, and received a grade of "B" or better. UC/CSU (f)

MULTIMEDIA **Grade 9**

Multimedia introduces students to the professional world of digital media. Students will learn the history of film and be introduced to digital editing and digital videography. Students will write, produce, and edit their own short movies and learn the basics of special effects and their proper use in storytelling. Prerequisite: None.

PHOTOGRAPHY - BEGINNING **Grades 10-12**

Students will begin exploring all major aspects of black and white and digital photography, including camera techniques, film developing, enlarging, printing, print finishing, and digital manipulation. This hands-on class emphasizes technical skills and development of an artistic vision. Lab donations accepted. Prerequisite: None. UC/CSU (f)

PHOTOGRAPHY - ADVANCED **Grades 11-12**

Students will continue to refine their photographic skills and artistic vision. Emphasis on more advanced digital skills such as studio lighting, alternative processes, and advanced digital skills and an exploration of careers in photography. A hands on, activity based class. Lab donations accepted. Prerequisite: "C" or better in Photography. UC/CSU (f)

VIDEO PRODUCTION **Grade 10**

Program focus is on five major areas of media production: script writing, television acting, studio production, and postproduction editing. Prerequisite: Must be in BADA. UC/CSU (f)

ADVANCED VIDEO PRODUCTION **Grade 11**

Students use and expand skills developed in Video Production to create productions based on the needs of the school. Students act as the SLz-TV crew. Students learn feature film script writing techniques and produce a short film. Students produce SLz-TV broadcasts for the school. Prerequisite: "C" or better in Video Production, or have special teacher permission. Must be in BADA. UC/CSU (f)

YEARBOOK PUBLICATION **Grades 9-12**

Students prepare, publish and market the school yearbook. Selecting the theme, design section formats, writing copy, selecting and cropping photos, writing captions, editing and proofing copy, creating marketing idea, and planning budget are included. Prerequisite: Teacher recommendation and permission of instructor is required. Beginning computer skills are strongly recommended.

EDEN AREA REGIONAL OCCUPATIONAL PROGRAM SCHOOL-WIDE LEARNER OUTCOMES

Students successfully completing courses through the Eden Area Regional Occupational Program will:

Demonstrate Appropriate Work Ethic

by acting as a responsible citizen in the workplace and the community, modeling integrity, ethical relationships, and effective management.

Demonstrate Career and College Preparation

by applying appropriate technical skills and academic knowledge, developing an education and career plan aligned to personal goals, applying technology to enhance productivity, and practicing personal health and understanding financial literacy.

Demonstrate Effective Communication

by communicating clearly, effectively, and with reason, working productively in teams while integrating cultural/global competence.

Demonstrate Critical Thinking Skills

by utilizing critical thinking to make sense of problems and persevere in solving them.

COMMUNITY COLLEGE ARTICULATION AGREEMENTS

The following courses have been articulated with one of the local community colleges. Students who complete these courses with grades of B or better earn transferable, college credit which is put on their community college transcript. Students may use these credits at the community college or take them directly to a 4 year university. While most colleges and universities will accept these credits, they may differ in how they will be applied towards graduation credit. All courses are free of charge to high school students in Castro Valley, San Leandro, Hayward and San Lorenzo Unified School Districts.

School	High School Course Name	College Credit Available
EDEN AREA REGIONAL OCCUPATION PROGRAM		
EAROP	Automotive Collision and Refinishing I P	TBD
EAROP	Automotive Technology I P	yes
EAROP	Careers In Education I P	yes
EAROP	Careers In Education II P	yes
EAROP	Construction Technology I P	new application pending
EAROP	Culinary Science I P	yes
EAROP	Criminal Justice/Forensic Science I P	yes
EAROP	Criminal Justice/Forensic Science II P	TBD
EAROP	Cybersecurity I P	yes
EAROP	Cybersecurity II P	new application pending
EAROP	First Responder (Fire Science/EMT) I P	yes
EAROP	Medical Careers I P	yes
EAROP	Medical Careers II P	yes
EAROP	Welding Technology I P	renewal application pending
EAROP	Welding Technology II P	new application pending
CASTRO VALLEY UNIFIED SCHOOL DISTRICT		
Castro Valley	Auto 1-2	yes
Castro Valley	Biotechnology	yes
Castro Valley	Intro to Computers and Technology	yes
Castro Valley	CISCO 2 Net Engineering	yes
Castro Valley	CISCO 3 Net Engineering 2	yes
Castro Valley/EAROP	Business Economics I P	yes
Castro Valley	Food & Nutrition	yes
Castro Valley	Graphic Design I	new application pending
Castro Valley	Intro to Computers & Info Tech	yes
Castro Valley/EAROP	Marketing Economics I P	yes
Castro Valley	Medical Careers 1/2	yes
Castro Valley	Photography	renewal application pending
Castro Valley	PLTW Intro to Engineering	yes
Castro Valley	PLTW Principles of Engineering	yes
HAYWARD UNIFIED SCHOOL DISTRICT		
Hayward/EAROP	Cybersecurity I P	yes
Hayward	Theater I	TBD
Hayward/EAROP	Entrepreneurship I P	yes
Hayward/EAROP	Entrepreneurship II P	TBD
Hayward	PLTW - Introduction to Engineering	yes
Hayward/EAROP	Sports Medicine I P	yes
Hayward	Wood Technology I	TBD
Mt. Eden/EAROP	Entrepreneurship I P	yes
Mt. Eden/EAROP	Entrepreneurship II P	yes
Mt. Eden/EAROP	Sports Medicine I P	yes
Mt. Eden/EAROP	Sports Medicine II P	TBD
Mt. Eden	Photography	renewal application pending
Tennyson/EAROP	Entrepreneurship I P	yes
Tennyson/EAROP	Entrepreneurship II P	TBD

School	High School Course Name	College Credit Available
SAN LEANDRO UNIFIED SCHOOL DISTRICT		
Lincoln	College & Career	yes
San Leandro	Advanced Product Design & Invention	new application pending
San Leandro	Automotive Technology I	yes
San Leandro	Business Applications	yes
San Leandro	College & Career	yes
San Leandro/EAROP	Entrepreneurship I P/Business Ownership	yes
San Leandro/EAROP	Entrepreneurship II P/Business, Economics & Finance	TBD
San Leandro	Ethnic Studies	yes
San Leandro	Graphic Arts	new application pending
San Leandro	Introduction to Computer Science	new application pending
San Leandro	Introduction to Engineering Design & Invention	new application pending
San Leandro	Journalism	new application pending
San Leandro/EAROP	Marketing Economics I P	yes
San Leandro	Physiology/Anatomy	new application pending
San Leandro	Intermediate Product Design Introduction	new application pending
San Leandro	Sports Medicine	new application pending
San Leandro	Wood Technology I	TBD
San Leandro	Wood Technology II	TBD
San Leandro	Theater I	new application pending
SAN LORENZO UNIFIED SCHOOL DISTRICT		
Arroyo/EAROP	Entrepreneurship I P/Business Ownership Tech	yes
Arroyo/EAROP	Entrepreneurship II P/Business, Economics, and Finance	yes
Arroyo/EAROP	Marketing Economics I P	yes
Arroyo	Photography I	renewal application pending
Arroyo	Sports Medicine I	yes
Arroyo	PLTW Intro To Engineering	yes
Arroyo	PLTW Principles of Engineering	yes
San Lorenzo	Advanced Video Production	yes
San Lorenzo/EAROP	Criminal Justice I P	yes
San Lorenzo/EAROP	Criminal Justice II P	new application pending
San Lorenzo	Beginning Photography	yes
San Lorenzo	PLTW Intro To Engineering Design	yes
San Lorenzo	PLTW Principles of Engineering	yes

yes - a current articulation is on file

TBD- course is being considered but an application had not been submitted when this catalog was printed

new application pending - awaiting approval from the college

renewal application pending - awaiting approval from the college



JOIN THE TEAM

The Ambassadors are an honorary group of students who represent the Eden Area ROP and serve as the student government. Part of the criteria used to select candidates includes being in good academic standing and demonstrating leadership in the classroom. The Ambassador Program enhances the student's learning experience by giving them opportunities to attend monthly team meetings, serve as tour guides on sophomore tours, help promote ROP school spirit, promote ROP at middle schools, attend campus and district events, give presentations and participate at the annual Open House.

Applications are accepted at the start of each school year.



Eden Area ROP

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