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 REGIONAL OCCUPATIONAL PROGRAM

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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 8 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 #s).

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. (Refer to the 2019-20 bus schedule)

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

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!
217 CLASSES
TWELVE INDUSTRY SECTORS
4,824 STUDENTS
4 DISTRICTS SERVED

CASTRO VALLEY UNIFIED SCHOOL DISTRICT
HAYWARD UNIFIED SCHOOL DISTRICT
SAN LEANDRO UNIFIED SCHOOL DISTRICT
SAN LORENZO UNIFIED SCHOOL DISTRICT
# 2019-2020 BUS SCHEDULE

## CASTRO VALLEY UNIFIED SCHOOL DISTRICT

No Morning ROP Classes.

<table>
<thead>
<tr>
<th>AM</th>
<th>DEPART HOME SCHOOL</th>
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<th>DEPART FROM ROP</th>
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<tr>
<td>Hayward</td>
<td>7:00 am</td>
<td>7:45 am</td>
<td>11:05 am</td>
<td>11:25 am</td>
</tr>
<tr>
<td>Tennyson</td>
<td>7:15 am</td>
<td>7:45 am</td>
<td>11:05 am</td>
<td>11:20 am</td>
</tr>
<tr>
<td>Mt. Eden</td>
<td>7:25 am</td>
<td>7:50 am</td>
<td>11:05 am</td>
<td>11:15 am</td>
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</tbody>
</table>

Thursday Only (Hayward, Mt. Eden & Tennyson)

| | 7:30 am | 7:50 am | *10:10 am | *10:20 am |

## HAYWARD UNIFIED SCHOOL DISTRICT

<table>
<thead>
<tr>
<th>PM</th>
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<tbody>
<tr>
<td>Castro Valley</td>
<td>11:55 am</td>
<td>12:20 pm</td>
<td>3:35 pm</td>
<td>3:55 pm</td>
</tr>
<tr>
<td>Redwood</td>
<td>12:00 pm</td>
<td>12:20 pm</td>
<td>3:35 pm</td>
<td>4:00 pm</td>
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## SAN LEANDRO UNIFIED SCHOOL DISTRICT

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<thead>
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<th>ARRIVE AT HOME SCHOOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Leandro</td>
<td>7:15 am</td>
<td>7:45 am</td>
<td>11:05 am</td>
<td>11:25 am</td>
</tr>
</tbody>
</table>

Wednesday Only (San Leandro)

| | 7:15 am | 7:45 am | *9:40 am | *10:00 am | 11:05 am | 11:35 am |

Tuesday Only (San Leandro)

| | 12:15 pm | 12:35 pm | 3:35 pm | 4:05 pm |

## SAN LORENZO UNIFIED SCHOOL DISTRICT

<table>
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<tr>
<th>AM</th>
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<th>DEPART FROM ROP</th>
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</thead>
<tbody>
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<td>7:25 am</td>
<td>7:45 am</td>
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<td>11:25 am</td>
</tr>
<tr>
<td>San Lorenzo</td>
<td>7:25 am</td>
<td>7:45 am</td>
<td>11:05 am</td>
<td>11:35 am</td>
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</table>

Wednesday Only (Arroyo and San Lorenzo)

| | 7:25 am | 7:45 am | *10:10 am | *10:30 am |

<table>
<thead>
<tr>
<th>PM</th>
<th>DEPART HOME SCHOOL</th>
<th>ARRIVE AT ROP</th>
<th>DEPART FROM ROP</th>
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<td>12:25 pm</td>
<td>3:35 pm</td>
<td>4:00 pm</td>
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<tr>
<td>San Lorenzo</td>
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<td>3:35 pm</td>
<td>3:55 pm</td>
</tr>
<tr>
<td>Royal Sunset</td>
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<td>12:25 pm</td>
<td>3:35 pm</td>
<td>3:45 pm</td>
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AUTOMOTIVE REFINISHING I & II

TRANSPORTATION INDUSTRY SECTOR

This program provides students with entry level skills and hands-on training in the auto body and paint industry. The course is designed for students to achieve basic to advanced skills in filler repair, metal finishing, metal fabrication, paint prepping, color matching, painting, detailing, structural analysis and estimating.

The Auto Refinishing and Painting program course exposes students to what is expected of the technician’s appearance, manners, work ethics and ability to work with others in the workplace.

The class focuses on using the latest products and technology that are being introduced to the automotive industry; helping students have relevant and current real life experience. Students also have the opportunity to compete in SkillsUSA, which is a competition that is judged by professionals in the industry.

Credit - up to 40 per year
San Lorenzo Unified School District - Math Credit
Certifications: PPG, iCAR, ASE, S/P2, Collision Repair and Refinish Safety, Collision Repair and Refinish Pollution Prevention
Interested in learning how a car works and how to make them perform better on the road? This course is accredited by NATEF (National Automotive Technicians Education Foundation) and covers brakes, suspension, steering, engine performance, and electricity/electronics.

Students will be exposed to the automotive business and industry and provided with entry-level job skills. Other course topics are engine tune-up and performance, function of fuel systems, engine overhaul and electrical repairs.

The class covers safety, industry standards, related automobile operational theory, diagnosis and troubleshooting and repair procedures.
The Careers in Education program provides instruction, training and community experience for students interested in being a child care professional in the preschool and elementary levels. This course gives students the opportunity to work in the field of education. Students learn how to support children’s development - mentally, physically, socially and emotionally.

Instruction is reinforced through training in community field sites such as school-age programs, child care centers, preschool programs and elementary schools where ROP students are responsible for planning and supervising educational activities. Careers in Education students also participate in college tours, field trips and other community events.

In graphics bar: Certifications available for this course: CPR, First Aid, Basic Life Support, AED, First Aid Infant and Adult.
Construction Technology is a course in fundamental carpentry skills that includes project planning, blue-print reading, concrete structures, framing, roofing, interior/exterior finishes, basic plumbing/electrical installations, remodeling and solar/green technology applications.

The curriculum is delivered in a “real world” construction environment where students are taught the work ethics and professional behavior expected of all construction industry participants. As crew members, students utilize critical thinking, leadership, and effective communication as they plan and execute different scale construction projects.

Students are routinely exposed to construction apprenticeship/training opportunities and become familiar with construction career pathways in both field positions (carpenter, electrician, etc.) and professional positions (architect, engineer, etc.). Students are made aware of the pride and rapid upward mobility within the construction industry through their personal motivation and career commitment.
This class is designed to give students both theory and hands-on experience in the skills and knowledge in the fields of forensic science and criminal justice, including:

- Crime scene photography
- Physical evidence in solving crimes
- Dusting and lifting fingerprints
- Evidence collecting and processing methods
- Criminal justice practices and procedures
- Powers of arrest
- Laws of arrest
- Arrest and controls
- Criminal justice operations
- Emphasis will be placed on the importance of effective communication and interpersonal skills, professional development, strong academic skills, problem solving, safety and the use of technology.

Credit – up to 40 per year

Community College Credit Available

San Lorenzo Unified School District - Science Credit

Hayward Unified School District - Science Credit
Culinary Science gives students the theory and hands-on experience in food preparation, hospitality, and restaurant management. The course develops industry competencies geared towards accreditation set by the California Restaurant Association and the American Culinary Federation.

Culinary Science provides unique opportunities to work with local chefs and participate in a number of catering events. Students learn the importance of health, safety and sanitation as they earn their Serv-Safe certification.

In our two year course, students learn management and communication skills, and cooking techniques such as grilling, sautéing, braising and baking. Also, students learn how to prepare soups, appetizers, main courses, side dishes, breads and pastries. Students develop knife skills and knowledge in meat and vegetable classification. The ROP has its own working organic garden, as students have an opportunity to grow their own produce and learn “farm to table” cooking.

Class work develops effective communication and problem solving, including learning skills with technology and employment literacy. Culinary Science also reinforces mathematics, science, and English to help students be better prepared for a wide range of academic and employment opportunities. Students compete and demonstrate their abilities in SkillsUSA competitions.
CYBERSECURITY I, II

INFORMATION AND COMMUNICATION TECHNOLOGIES SECTOR

Community College Credit Available
San Lorenzo Unified - Math Credit
Hayward Unified School District - Math or Science Credit for 12th Grade Only

Certifications available for this course:
Cisco A+ & Security, Routing and Switching

As part of the CISCO Networking Academy, students learn how to protect personal data and privacy online and in social media. Students learn why more and more IT jobs require cybersecurity awareness and understanding. The course introduces students to cyber-crime, security principles, technologies, and procedures to defend networks. Through interactive, multimedia content, lab activities, and multi-industry case studies, students build technical and professional skills to pursue careers in cybersecurity. Additionally, the course covers IT Essentials with hands-on labs that provide practical experience to prepare students for networking and troubleshooting.
The Dental Assisting program prepares students for employment as a dental chair side assistant. Upon graduation students will earn a completion certificate, infection control certification and a license to take dental x-rays in California. Students are also eligible to sit for the National Entry Level Dental Assistant (NELDA) issued by the Dental Assisting National Board (DANB).

Students also have the opportunity to intern in a dental office in our community, where they can put into practice those skills learned in the classroom and be mentored by dental professionals.

This is a challenging and fast paced class. Students must be able to work independently, as well as collaborate with other students. Some of the instructional areas covered are dental charting and terminology, infection control and sterilization, hazardous waste management, chair side procedures, manipulation of dental materials, dental radiography, anatomy and physiology and dental office procedures.

Upon completion of this course, students have the option of advancing to the Registered Dental Assisting course. Graduates of the Registered Dental Assisting course are immediately eligible to take the State Board examination to become a Registered Dental Assistant (RDA).

For any student interested in the dental profession, this is a wonderful place to start. Students gain knowledge of the dental career ladder and the many career options available in dentistry.
“Chef Penn is one of the greatest teachers you could be learning from in this field of work”
-Angelo Gilbert

Culinary Science I
San Lorenzo High School Class of 2018
82% Of students say their knowledge and skills have improved through the use of technology.

90% Of students say the ROP curriculum is challenging and has real world experience.

85% Of students say that they have learned the importance of being on time, meeting deadlines, and completing assigned work.

85% 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.

84% Of students say they have learned about career pathways and requirements including advanced jobs in their field of study.
The purpose of this course is to introduce the student to the skills and knowledge required of firefighters, Emergency Medical Technician (EMT) and paramedics, which are necessary to prepare students for further training and employment as a first responder. First Responders help sustain life, reduce pain, minimize the consequences of injury or sudden illness, and preserve property. Today's professional fire science practitioners must be able to analyze and ethically solve complex issues involving fire fighting, dealing with hazardous materials, management, budgeting, administration and health and safety.

This course is designed to give students information, theory, skills, and practice towards becoming a first responder. The core curriculum consists of, in part: medical terminology, anatomy and physiology, legal and ethical standards, safety, infection control, body mechanics, vital signs, death and dying, nutrition and basic life support, and patient assessment. Students are expected to participate in physical agility exercises, drills, marching, and professional dress days (class uniforms).
Students will explore the wonderful world of design while learning basic principles and techniques using Adobe Creative Suite software (Illustrator, InDesign, Photoshop, and Dreamweaver). This course is designed to expose students to several fast-growing industries and help them take advantage of the opportunities that exist within each one. Students will develop the ability to think critically, work in teams, and produce professional-quality work.

Student will learn the importance of time and task management, accountability and presentation. Emphasis will be placed on effective communication, interpersonal skills, problem solving, ethics, and use of technology. Students will also create a portfolio that showcases their design talent.

Course topics include
- Logo Design
- Page layout
- Image manipulation
- T-shirt making (heat press and screen-printing)
- Basic HTML
- Personnel branding
- Entrepreneurship
Medical Careers is an extensive medical program offering instruction in a range of health-related careers and prepares students for an entry-level position in a doctor's office or hospital setting. This program covers administrative procedures and clinical procedures frequently performed by an entry-level healthcare professional.

First Semester consists of classroom instruction in:
- Medical Terminology
- Anatomy and Physiology
- Clinical Skills
- Professionalism
- Career Preparation

Second Semester provides on-site training in community medical facilities as well as classroom instruction in administrative procedures, minor surgery, pharmacology, first aid and CPR as well as introducing students to billing and coding. Students participating in this program have the opportunity to complete an internship at a nearby medical facility. Students who successfully complete both years in the Medical Careers program may be eligible to sit for the administrative and basic portions of the CCBMA (California Certifying Board for Medical Assistants) examination.
MERCHANDISING OCCUPATIONS

MARKETING, SALES AND SERVICE INDUSTRY SECTOR

Credit – up to 40 per year

Prerequisite: Special Education or Department of Rehabilitation Client

This program provides training to the 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, while learning and receiving educational classroom work-based training (paid), will be assessed and acquire the knowledge and skills employers want. Students will enroll through the process of an individual Education Plan (IEP) placement meeting with the ROP instructor present.
This program is designed to provide students with the basic skills needed to obtain entry level employment in the welding industry. Students will learn entry level skills using power tools, hand tools, drill press, and band saw. Entry level blueprint reading welders need good eyesight, hand-eye coordination and manual dexterity.

The class instructs in welding principles and hands on applications. The program lets students know about job opportunities in welding.

Students should be able to concentrate on detailed work for long periods. This course teaches entry level skills in safety and operation, equipment maintenance, and equipment setup in the following processes:
- Shielded Metal Arc Welding (SMAW)
- Stick Welding
- Gas Metal Arc Welding (GMAW)
- MIG Welding
- Gas Tungsten Arc Welding (GTAW)
- TOG Welding
- Welding
- FLUX Core Welding
- Plasma Arc Cutting
- Metal preparation
- Shielding gases
- Cylinder safety
### PARTICIPATING SCHOOL SITES

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

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**CASTRO VALLEY UNIFIED SCHOOL DISTRICT**

**CASTRO VALLEY HIGH SCHOOL**
19400 Santa Maria Avenue
Castro Valley, CA 94546
(510) 537-5910

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**AUTO 1-2**

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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.

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**ADV AUTO MECHANICS**

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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.

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**BIOTECHNOLOGY (HABIT)**

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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.

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**BUSINESS ECONOMICS**

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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.

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**CISCO 1 ADV. TECH**

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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.

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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  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
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.

SPORT AND ENTERTAINMENT MARKETING  
Grades 10-12

Prerequisites: None
Description: This course is designed to introduce the student to the world of sports and entertainment marketing. Students will learn how to apply the marketing elements (4Ps) (product, place, price, and promotion) to the sports and entertainment industries. Students will learn about sponsorships, careers, look at advertising, the media, licensing, merchandising, copyright laws and create promotional materials. Students will gain a greater awareness of marketing campaigns used to sell products in each of these industries as well as understand the economic impact of sports and entertainment. Students will also have opportunities to participate in community classroom and/or cooperative vocational education (CC/CVE) and DECA.

COMPUTER APPLICATIONS I  
Grades 10-12

This course is a student’s introduction to computer literacy with an emphasis on computer applications. Computer Applications I will prepare students for a position that utilizes computer skills, as well as enable college-bound students to utilize their computer skills attained by producing the necessary theme papers and reports needed in college. Students learn how to prepare and present professional slide show presentations, which is a definite need for college-bound and career-bound students alike. Keyboarding skills (proper keystrokes, posture, speed, and accuracy) are also introduced and developed. Emphasis in this class will be on Microsoft Office software: Word, Excel, PowerPoint, and Publisher. Students can receive units at Chabot College for passing this course—see instructor for details. This course is sponsored by ROP at HHS and THS only (not MEHS).

COMPUTER APPLICATIONS II  
Grades 10-12

This course is a continuation of Computer Applications I with emphasis on advanced skills in Microsoft Word, Excel, and desktop publishing. Students will produce such documents as: reports with graphics, spreadsheets, newsletters, and a personal employment portfolio presentation utilizing a computerized slide show program. This course receives college credit with Chabot College.

CYBERSECURITY I  
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  
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  
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 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 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  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 understanding 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
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

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 designed to prepare students for various areas of specialization 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

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 understanding 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

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
COMPUTER APPLICATIONS I Grades 9-12

This course is a student's introduction to computer literacy with an emphasis on computer applications. Computer Applications I will prepare students for a position that utilizes computer skills, as well as enable college-bound students to utilize their computer skills attained by producing the necessary theme papers and reports needed in college. Students learn how to prepare and present professional slide show presentations, which is a definite need for college-bound and career-bound students alike. Keyboarding skills (proper keystrokes, posture, speed, and accuracy) are also introduced and developed. Emphasis in this class will be on Microsoft Office software: Word, Excel, PowerPoint, and Publisher. Students can receive units at this class will be on Microsoft Office software: Word, Excel, PowerPoint, and Publisher. Students can receive units at this class as well as through participation in regional and national competitions. This course is sponsored by ROP only (not MEHS).

COMPUTER APPLICATIONS II Grades 10-12

This course is a continuation of Computer Applications I with emphasis on advanced skills in Microsoft Word, Excel, and desktop publishing. Students will produce such documents as: reports with graphics, spreadsheets, newsletters, and a personal employment portfolio presentation utilizing a computerized slide show program. This course receives college credit with Chabot College.

ENTREPRENEURSHIP I 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 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 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 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.
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  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  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.

CRIMINAL JUSTICE I  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  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.

The Western Association of Schools and Colleges (WASC) accredit Eden Area ROP. Students can earn up to 40 academic credits per year.
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.
## UC A-G & Community College Articulation Agreements

### ROP Course

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<th>ROP/High School</th>
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### Castro Valley Unified School District

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<thead>
<tr>
<th>Course</th>
<th>College</th>
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<th>Unit</th>
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### Hayward Unified School District

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<tr>
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<td>3 and 1</td>
<td>Tennyson/EAROP</td>
<td>g</td>
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### Notes

- **UC (a-g)**
  - (a) History / Social Science
  - (b) English
  - (c) Mathematics
  - (d) Laboratory Science
  - (e) Language other than English
  - (f) Visual and Performing Arts
  - (g) College - Preparatory Elective

- **ROP/High School:**
  - EARP: Early Entrance Program
  - EAROP: Early Entrance Program Option
  - TBD: To Be Determined
<table>
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<tr>
<th>ROP Course</th>
<th>College</th>
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<th>Unit</th>
<th>ROP/High School</th>
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| SAN LORENZO UNIFIED SCHOOL DISTRICT |          |                |      |                |          |
| Business Economics                  | Chabot   | BUS26          | 3    | Arroyo/EAROP   | g        |
| Business Ownership                  | Chabot   | ENTR 1         | 3    | Arroyo/EAROP   | g        |
| Marketing Economics                 | Chabot   | BUS 36         | 3    | Arroyo/EAROP   | -        |
| Photography I                       | Chabot   | PHOTO 53A      | 3    | Arroyo         | f        |
| Sports Medicine                     | Chabot   | KIN2           | 4    | Arroyo         | g        |
| Advanced Video                      | Ohlone   | BRDC 152       | 3    | San Lorenzo   | f        |
| Criminal Justice                    | Chabot   | ADMU50         | 3    | San Lorenzo   | f        |
| Photography                         | Chabot   | PHOT50         | 3    | San Lorenzo   | g        |
| PLTW Intro To Engineering           | Chabot   | ENG 10         | 3    | San Lorenzo   | g        |
| PLTW Principles of Engineering      | Chabot   | ENG 11         | 3    | San Lorenzo   | g        |
| PLTW Intro To Engineering           | Chabot   | ENG 10         | 3    | Arroyo         | g        |
| PLTW Principles of Engineering      | Chabot   | ENG 11         | 3    | Arroyo         | g        |
The Ambassador Program is 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 include being in good academic standing and demonstrate leadership in the classroom. The ambassador program enhances the student’s learning experience by giving them opportunities to attend monthly 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 and Science Fair.

Applications are accepted at the start of each school year.

“Being an Ambassador has allowed me to gain leadership skills and crucial information on real world experiences such as public speaking, networking, and group control. The students in this program became my family and I wouldn’t change this experience for the world”
-Karen Hernandez
The President’s Volunteer Service Award recognizes students who have provided at least 100 hours of service to their community this school year. Along with the honor of Presidential recognition, recipients receive a personalized certificate, an official medallion and a congratulatory letter from the President of the United States.

Last year, our students engaged in a range of service projects as part of their classes through work-based learning activities. Giving back to others is simply how many of our instructors teach and our students learn.

There are many examples of how our students give back to the community. Some of which include:

- Students from our Registered Dental Assisting program volunteered at East Bay Stand Down by providing dental care to homeless veterans.

- Students from our Medical Careers program completed internships at several medical offices and hospitals.

- Students from our Construction program built storage sheds and made improvements to a number of ROP programs, including Auto, Dental and the Adult Education Office.

- Students from our Culinary Science program cooked for and hosted dinners for various charity events and staffed our student store.

- Students from our Careers In Education program worked as teacher’s assistants for local pre-k and elementary schools.

There are three levels of recognition for students age 16 – 25:

- Gold Medal: 250 hours or more
- Silver Medal: 175–249 hours or more
- Bronze Medal: 100–174 hours or more