



EDEN AREA REGIONAL OCCUPATIONAL PROGRAM

COURSE CATALOG 2024-2025



**THE MISSION OF THE EDEN AREA ROP IS TO
BUILD A FOUNDATION FOR STUDENTS THAT
PREPARE THEM ACADEMICALLY,
TECHNICALLY, AND PROFESSIONALLY TO MEET
CHALLENGING OPPORTUNITIES OF THE 21ST
CENTURY WITH CONFIDENCE AND PURPOSE.**

Core Values

WE BELIEVE IN THE EDEN AREA ROP

EQUITABLE

WE BELIEVE IN FOSTERING BELONGING AND CREATING A SAFE AND INCLUSIVE ENVIRONMENT THAT WORKS TO ERADICATE THE IMPACTS OF RACISM, BIAS, DISCRIMINATION, AND PRIVILEGE.

ACCESSIBLE

WE BELIEVE ALL STUDENTS, FAMILIES AND STAFF SHOULD FEEL SEEN, HEARD, WELCOMED, INCLUDED, RESPECTED, AND HAVE ACCESS TO ECONOMIC AND EDUCATIONAL MOBILITY.

RESTORATIVE

WE BELIEVE INSTRUCTION SHOULD BE CULTURALLY AND HISTORICALLY RESPONSIVE, RESTORATIVE, TRAUMA-INFORMED, ETHICAL, AND PREPARE STUDENTS FOR A PATH TO SELF-FULFILLMENT AND SELF-ACTUALIZATION.

OUTCOMES

WE BELIEVE OUR STUDENTS WILL FIND A PATHWAY WITH CONFIDENCE AND PURPOSE THAT GUIDES THEM TOWARDS A CAREER, COLLEGE, SERVICE TO OTHERS, AND LIFE-AFFIRMING ENDEAVORS.

PROFESSIONAL

WE BELIEVE EXCELLENCE IS THE STANDARD, AS SUCH, WE WILL WORK WITH INTEGRITY, TRANSPARENCY, RESPECT, AND CLEAR COMMUNICATION.

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LETTER FROM THE SUPERINTENDENT

Dear Students and Families,

The Eden Area Regional Occupational Program provides young people in our four school districts with clear, defined, and articulated pathways to their future. Students receive academic, professional, and technical instruction in a wide range of hands-on disciplines that lead to high demand and high wage post-secondary careers.

The EAROP combines education with work experience. We provide an environment for students to further their educational goals in the context of their career goals. We braid the development of their soft skills, their technical skills, and their academic skills to holistically prepare students for whatever is next (and because of well-developed pathways, we can define “whatever is next”). We are a place where students can explore and experience. Students learn that post-secondary education isn’t a default. It is an intentional goal with an expected outcome.

Our business and industry partners are absolutely critical to our efforts. They provide a rich and textured landscape that allows students to see the geography of the world in front of them. As guest speakers, they create a window for students to see what professional life looks like. When our business partners provide internships, they open a doorway that allows students to enter into a professional environment. And most importantly, whenever they support our students, they provide a mirror for students to see themselves as successful and important members of our community.

Work-based learning brings education to life for students. Through internships, field trips, guest speakers, industry showcases and so much more, our business partners help create relevance and connection for our students.

The EAROP prepares students for the journey. Our instructors, staff and business partners are their first guides during the most important leg of that journey – guiding students towards a career, college, and service to others. It guides them to economic and educational mobility, and to a beautiful future.

Blaine C. Torpey

Blaine C. Torpey
Superintendent



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 (High School Juniors and Seniors) and adults with entry-level career and technical training. Eden Area Regional Occupational 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 instill workplace values that will enable them to compete successfully in the economy of today and the future.

Why take courses at Eden Area ROP? Experience is the greatest teacher. We offer hands-on career training that covers 13 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 Eden Area ROP 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 for some districts. Many of our courses have articulation agreements with local community colleges, allowing students the opportunity to earn college credit.

What is an Articulation? Articulation is a link between a high school or ROP and a collegiate institution. An articulation agreement allows students to earn free college credit. The credit is placed on the student's collegiate transcript and can be taken to some colleges for credit. Additionally, articulation may allow a student to skip the entry level course when they enroll in a college. (Please see pages 29-30 for a list of articulated courses).

What is Dual Enrollment? Dual Enrollment is a fantastic opportunity for high school students to begin their college education. This program allows students to take college courses taught by college professors on their high school campuses while also counting towards their high school diploma. Thanks to the College and Career Access Pathways (CCAP) partnership, this opportunity is now available to all students, including those who may have never considered college or are underrepresented in higher education. The CCAP program has been extended to make it easier for students to apply and complete their college courses. This program empowers students to take control of their futures and achieve their full potential.

What is the cost? EAROP 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.

What is a community classroom? A community classroom provides the student the opportunity to work while earning high school credits. This type of learning is referred to as an internship. Students work non-paid positions to earn on the job experience. This work advances the student's skill set making them more competitive in the job market.

Is business involved? Over three hundred local employers participate on Eden Area 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 Eden Area ROP graduates!

Automotive Collision & Refinishing I P

TRANSPORTATION INDUSTRY SECTOR



COURSE BENEFITS:

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

CERTIFICATION(S):

PPG Certification
S/P2 Certification

Automotive Collision and Refinishing I P introduces students to professional auto collision and painting concepts, through instructional and hands-on skill development.

Students will mimic a professional work-like environment while developing soft skills including communicating effectively with others, teamwork, problem solving, and a positive work ethic.

Selection of skills and knowledge learned throughout the course:

- Estimation strategies
- Refinishing techniques
- Safety procedures
- Auto body painting
- Industry tools and equipment
- Auto-body structure and restoration

As evidence of training, students will develop a portfolio, which will serve as a resource manual when entering the professional world.

Automotive Collision & Refinishing II P

TRANSPORTATION INDUSTRY SECTOR



COURSE BENEFITS:

Skills USA Competition

CERTIFICATION(S):

PPG Certification
S/P2 Certification

Automotive Collision and Refinishing II expands students' knowledge, experience, and workplace readiness by assuming the leadership roles of manager, instructor, and mentor associated within the industry.

Students apply technology and use teamwork to enhance productivity while leading shop operations and being asked to “train” their crews on surface preparation, painting and detailing, project planning, and design skills.

Selection of skills and knowledge learned throughout the course:

- Further development of first year skills and work ethic
- Organizational and leadership skills
- Advanced skills needed to enter the workforce
- Estimation strategies
- Refinishing techniques
- Safety procedures
- Industry tools and equipment

Auto-body structure, restoration, welding, and painting
Students will finish this program with the skill set to become estimators, front office management, and with more classes, the possibility of being certified as non-structural technicians, steel structural technicians, aluminum structural technician and refinish technicians.

Automotive Technology I P

TRANSPORTATION INDUSTRY SECTOR



COURSE BENEFITS:

SLZUSD – Math Credit
UC “g” Course Credit
Dual Enrollment with Chabot College
Skills USA Competition
ASE Certified Class

CERTIFICATION(S):

S/P2 Certification
All Data Certification
Shop Key Certification
Valvoline Certification

Automotive Technology I P introduces students to standard automotive repair and maintenance, through online industry safety training, instructional content and hands-on shop work. Students will learn how to maintain a shop, and work in teams to diagnose and solve problems. They will become familiar with the systems of a car, the names of parts, and how each system informs and interacts with the other.

Selection of skills and knowledge learned throughout the course:

- Function and name of auto parts
- Front end alignment
- Safety, fasteners, hand tool identification and usage
- Vehicle systems
- Electrical fundamentals
- Service information access and use
- Automotive chemical and fluid applications
- Hazardous waste handling
- General shop equipment usage
- Vehicle servicing
- Troubleshooting, Analysis, and Shop Practices

Students will be exposed to the automotive business and industry and be provided with entry-level job skills.

Automotive Technology II P

TRANSPORTATION INDUSTRY SECTOR



COURSE BENEFITS:

UC “g” Course Credit
Dual Enrollment with Chabot College
Skills USA Competition
ASE Certified Class

CERTIFICATION(S):

S/P2 Certification
All Data Certification
Shop Key Certification
Valvoline Certification

Automotive Technology II expands students' knowledge, experience, and workplace readiness by assuming the leadership roles of manager, instructor and mentor.

Students will apply appropriate technical skills and academic knowledge while leading shop operations and being asked to “train” their crews. They will develop and utilize critical thinking skills to recognize and thoughtfully investigate the root causes of problems and persevere in solving them.

Selection of skills and knowledge learned throughout the course:

- Advanced technical skills and essential worker traits
- Further development of work ethic organizational and leadership skills
- Diagnostics and repair

For students seeking specialized training designed to meet standards set by the National Institute for Automotive Service Excellence (ASE).

Careers in Education I P

EDUCATION, CHILD DEVELOPMENT AND FAMILY SERVICES INDUSTRY SECTOR



COURSE BENEFITS:

UC "g" Course Credit
College Credit Available
Internship Placement

CERTIFICATION(S):

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 I P introduces students to the developmental stages of children from conception through adolescence, including the principle theories of development and their application.

Students explore broad research about human behavior, helping them understand their own behavior, as well as that of children at a deeper level. Students meet in-class two days a week at 3 hours per day and participate in the internship component 3 days per week.

Selection of skills learned throughout the course:

- Human behavior as it relates to yourself and others
- Growth & development of children
- Mechanisms of learning
- Memory and Intelligence
- Thinking and processing

Students will be exposed to job career opportunities in the education field, a variety of teaching techniques, employment preparation, and safety precautions as they apply to school emergency procedures.

Careers in Education II P

EDUCATION, CHILD DEVELOPMENT AND FAMILY SERVICES INDUSTRY SECTOR



COURSE BENEFITS:

UC "g" Course Credit
College Credit Available
Internship Placement
UC Honors Designation

CERTIFICATION(S):

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 P students will identify their personal educational values while learning more about cognitive, emotional, psychological, social, and physical development. This program provides students with classroom and work-based training, including placements to assist teachers in preschool, elementary school, and special education programs.

Selection of skills and knowledge learned throughout the course:

- Developmentally appropriate lesson planning
- Hands-on approaches as they apply to theory
- Learning how to meet children at their level, and how to scaffold and build upon what they know
- Learning how to meet the whole needs of children, both academic and socio-emotional well being
- Problem solving
- Critical thinking
- Child guidance

This program provides students with classroom and work-based training where they receive college/career training in early childhood education.

Careers in Law, Forensics, and Public Safety I P

PUBLIC SERVICES INDUSTRY SECTOR



COURSE BENEFITS:

SLZUSD – Science Credit

HUSD – Science Credit

UC “g” Course Credit

College Credit Available

Skills USA Competition

Careers in Law, Forensics, and Public Safety I P introduces students to 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 and learn criminal justice operations and procedures. They will use hands-on applications while learning forensic science and crime scene investigation methods.

Selection of skills and knowledge learned throughout the course:

- Participate in physical agility training as required by the police department
- People management and crowd control
- Processing a crime scene
- Conducting interviews
- Crime procedures and photograph
- Introduction to crime scene investigation
- Physical evidence in solving crimes
- Dusting and lifting fingerprints
- Evidence collecting and processing methods

Students will explore current public safety career opportunities including as a sheriff's tech, police aide, or in private security.

Careers in Law, Forensics, and Public Safety II P

PUBLIC SERVICES INDUSTRY SECTOR



COURSE BENEFITS:

UC “g” Course Credit

College Credit - application pending for this course

Skills USA Competition

Careers in Law, Forensics, and Public Safety II P expands students' knowledge, experience, and workplace readiness by assuming the leadership roles of manager, instructor, and mentor.

Students will lead an investigative team in field operations, and lead drills that focus on the area of forensics.

Selection of skills and knowledge learned throughout the course:

- Lead investigation team and drills
- Further development of work ethics
- Methods of organization
- Leadership skills and mentoring first year students
- Greater appreciation of the career development process
- Confidence in effective communication and interpersonal skills
- Problem solving
- Various uses of technology and its applications

Students will explore current public safety career opportunities including as a sheriff's tech, police aide, or in private security.

Construction Technology I P

BUILDING TRADES AND CONSTRUCTION INDUSTRY SECTOR



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

Construction Technology I P introduces students to residential and commercial construction.

Students will learn basic construction skills through project work and applied mathematics. They will 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.

Selection of skills and knowledge learned throughout the course:

- Construction related math and measurement
- Developing scaled drawings
- Framing, drilling, pouring concrete, trusses, roofing
- Following technical specifications and blueprint reading
- Building material choices, functions and uses
- Safety and proper use power tools

Students are prepared to move into careers building and remodeling homes, apartment buildings, industrial buildings, warehouses, office buildings, churches, schools, and parks and recreation fields, as well as working on large-scale projects including the development of highways, stadiums, streets, bridges, airports.

Construction Technology II P

BUILDING TRADES AND CONSTRUCTION INDUSTRY SECTOR



COURSE BENEFITS:
UC “g” Course Credit
Skills USA Competition

Construction Technology II P expands students' construction knowledge, experience, and workplace readiness by assuming the leadership roles of manager, instructor and mentor associated with the construction industry.

Students will lead field operations and will be asked to “train” their crews with projects such as building a small home.

Selection of skills and knowledge learned throughout the course:

- Further development of student work ethic
- Organizational & leadership skills
- Cost estimating
- Cutting, fastening, and fitting various materials
- Hand and power tools
- Following technical specifications and blueprint reading

Students are prepared to move into careers building and remodeling homes, apartment buildings, industrial buildings, warehouses, office buildings, churches, schools, and parks and recreation fields, as well as working on large-scale projects including the development of highways, stadiums, streets, bridges, airports.

Culinary Science I P

HOSPITALITY, TOURISM AND RECREATION INDUSTRY SECTOR



COURSE BENEFITS:

UC "g" Course Credit
College Credit Available
Skills USA Competition

CERTIFICATION(S):

Servsafe Food Handler's Certification

Culinary Science I P introduces students to theories and hands-on experience in the field of culinary arts including an introduction to the world of food preparation, travel, and the tourism industry.

Selection of skills and knowledge learned throughout the course:

- Fundamentals of food preparation and presentation
- Kitchen safety and sanitation
- Nutrition
- Menu development
- Event planning
- Food-cost & control
- Customer service and entrepreneurship
- Management skills
- Culinary skills
- Knife skills
- Pastry

Students will acquire culinary skills needed for careers in the restaurant, travel, catering, and food service industries.

Culinary Science II P

HOSPITALITY, TOURISM AND RECREATION INDUSTRY SECTOR



COURSE BENEFITS:

UC "g" Course Credit
UC Honors' Designation
Skills USA Competition

CERTIFICATION(S):

Servsafe Food Handler's Certification

Culinary Science II P expands students' knowledge and skills by providing the opportunity to work in an industry grade commercial kitchen setting, as well as 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.

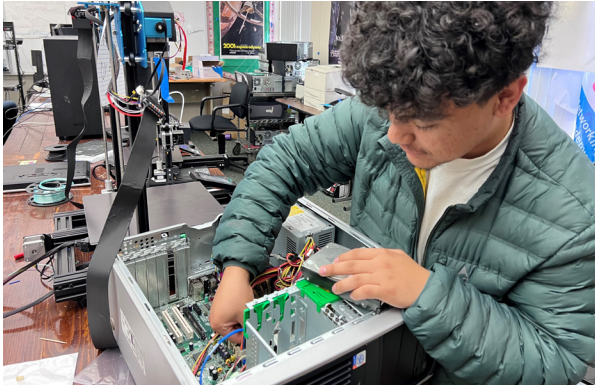
Selection of skills and knowledge learned throughout the course:

- Fundamentals of food preparation and presentation
- Kitchen safety and sanitation
- Nutrition
- Menu development
- Event planning
- Food-cost & control
- Customer service and entrepreneurship
- Management skills
- Culinary skills
- Knife skills
- Pastry

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 for an entry level position. Students will acquire entry level culinary skills needed for careers in the restaurant, travel, catering, and food service industries.

Cybersecurity I P

INFORMATION AND COMMUNICATION TECHNOLOGIES SECTOR



COURSE BENEFITS:

SLZUSD Math Credit
UC "g" Course Credit
Dual Enrollment with Chabot College
Skills USA Competition

CERTIFICATION(S):

Google IT Support Professional Certificate
CompTIA A+
CISCO CCNA Cyber Ops Certification

Cybersecurity I P introduces students to careers in network administration and information technology support services with a focus on cybersecurity. Students will receive hands-on experience that covers the fundamentals of computer hardware and software, and advanced concepts such as security, networking, and the responsibilities of an IT professional. In collaboration with Google, the Google IT Support Professional Certificate will be offered. This course is the first in a five-course program. It is a hands-on, online program designed to prepare beginner learners for entry-level jobs or continued education in information technology support. The program is exclusively developed by Google.

Selection of skills and knowledge learned throughout the course:

- Troubleshooting
- Customer service
- Networking
- Operating systems
- System administration
- Security

Cybersecurity II P

INFORMATION AND COMMUNICATION TECHNOLOGIES SECTOR



COURSE BENEFITS:

UC "g" Course Credit
Dual Enrollment with Chabot College
Skills USA Competition

CERTIFICATION(S):

CompTIA A+
CISCO CCNA Cyber Ops Certification

Cybersecurity II P builds on the technical skills and knowledge students acquired in Cybersecurity I P.

Students will be prepared for post-secondary information technology majors and for careers in network administration and information technology support services with a focus on cybersecurity.

Selection of skills and knowledge learned throughout the course:

- Architecture
- Structure
- Functions
- Components
- Models of the Internet
- Computer networks
- Principles and structure of IP addressing
- Fundamentals of ethernet concept

Curriculum content is designed to prepare students for careers in Cybersecurity and Information and Communications Technology.

Dental Assisting I P

HEALTH SCIENCE AND MEDICAL TECHNOLOGY INDUSTRY SECTOR



COURSE BENEFITS:

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

CERTIFICATION(S):

Infection Control Certificate
X-ray Certificate (must be 18 years old)

Dental Assisting I P introduces students to the fundamentals of dental assisting.

Students work independently, as well as collaboratively studying topics such as Infection Control, Dental Anatomy, Dental Charting, Clinical Sciences, Dental Materials, and Head and Neck Anatomy and Physiology.

Skills learned throughout the course include:

- Application of Topical Fluoride
- Oral Hygiene Instruction
- Placement and Removal of Isolation Devices
- Suture Removal
- Assisting with Nitrous Oxide Sedation
- Basic Chairside Assisting Skills

Dental Assisting II P

HEALTH SCIENCE AND MEDICAL TECHNOLOGY INDUSTRY SECTOR



COURSE BENEFITS:

UC "g" Course Credit
Internship opportunity

Dental Assisting II P expands on the principles and techniques presented in Dental Assisting I by applying more advanced concepts.

Students successfully completing Dental Assisting II P will have earned the following:

- Dental Practice Act certification
- Infection Control certification
- Basic Life Support certification
- Radiation Safety certification

Eligible students will also have the opportunity to complete a 6-week unpaid internship at a local dental office. Students graduate prepared for employment as an entry-level dental assistant.

First Responder (Fire Science/EMT) I P

PUBLIC SERVICES INDUSTRY SECTOR



COURSE BENEFITS:

SLZUSD – Science Credit
UC “g” Course Credit
Dual Enrollment with Chabot College
Skills USA Competition

CERTIFICATION(S):

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

First Responder (Fire Science/EMT) I P 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.

Selection of skills and knowledge learned throughout the course:

- Fire response
- First responder training
- Physical agility training required by local fire departments
- Fired department ride-alongs
- Fire station visits and fire fighter coaches
- Medical Terminology
- Basic anatomy and physiology
- Disaster Preparedness Training
- Psychological
- Basic CPR and First Aid
- Emergency Protocols
- Universal Precautions

Students can complete the first course requirement for the Chabot Fire Science Certificate program.

First Responder (Fire Science/EMT) II P

PUBLIC SERVICES INDUSTRY SECTOR



COURSE BENEFITS:

UC “g” Course Credit
Dual Enrollment with Chabot College
Skills USA Competition

CERTIFICATION(S):

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

Students learn fire service-related subjects including the history of fire service, fire department organizations, fire behavior, firefighting tactics and strategies, hazardous materials, fire safety, tools and equipment, fire prevention, fire protection systems, codes and standards, fire service occupations, and related subjects. They 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 workforce.

Selection of skills and knowledge learned throughout the course:

- Fire response
- First responder training
- Physical agility training required by local fire departments
- Fired department ride-alongs
- Fire station visits and fire fighter coaches
- Medical Terminology
- Basic anatomy and physiology
- Disaster Preparedness Training
- Psychological
- Basic CPR and First Aid
- Emergency Protocols
- Universal Precautions

Medical Careers I P

HEALTH SCIENCE AND MEDICAL TECHNOLOGY INDUSTRY SECTOR



COURSE BENEFITS:

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

CERTIFICATION(S):

American Heart Association - BLS (Basic Life Support for Healthcare providers) and Cardiopulmonary Resuscitation (CPR)
NHA preparation for CCMA and CET
Certified Medical Administrative Assistant Certificate (year 1, seniors only)

Medical Careers I P introduces students to basic medical terminology, as well as human anatomy and physiology.

Students will develop clinical and laboratory skills (immunizations, blood draw, urinalysis, EKGs), and administrative skills, as well as learn about 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.

Selection of skills and knowledge learned throughout the course:

- Taking vital signs
- AHA BLS/CPR (Cardiopulmonary Resuscitation)
- AED (automated external defibrillator)
- First Aid
- OSHA (Occupational Safety and Health Administration) standards for handling bodily fluids, infection control
- Resume writing and interview skills

Students in this course will explore careers in health professions by having the option to apply for the FACES of the Future program through St. Rose Hospital. Seniors in this course will be prepared to complete the NHA (National Health Association) Certified Medical Administrative Assistant (CMAA) Examination.

Medical Careers II P

HEALTH SCIENCE AND MEDICAL TECHNOLOGY INDUSTRY SECTOR



COURSE BENEFITS:

College Credit Available UC “g” Course Credit
UC Honors’ Designation
Skills USA Competition

CERTIFICATION(S):

American Heart Association - BLS (Basic Life Support for Healthcare providers) and Cardiopulmonary Resuscitation (CPR)
NHA Preparation for CCMA and CET
Clinical Certified Medical Assistant (CCMA)
Certificated Medical Administrative Assistant (CMAA)

Medical Careers II P expands students’ medical vocabulary, improves their knowledge of anatomy and physiology, and helps them explore careers in the health professions. Students will be introduced to various specialties and receive a reintroduction to HIPAA (Health Insurance Portability and Accountability Act).

Students will participate in internships 3-4 days per week. Students will be prepared to complete the NHA (National Health Association) CCMA (Certified Clinical Medical Assistant) and Certificated Medical Administrative Assistant (CMAA) Examination.

Merchandising Occupations I P

MARKETING, SALES AND SERVICE INDUSTRY SECTOR



PRE-REQUISITE:

Special Education or
Department of Rehabilitation Client

Merchandising Occupations introduces students with disabilities to workforce readiness skills, life skills, and social skills with the intention of helping them become more independent. Merchandising Occupations students must have an IEP with transition goals written into the plan.

Merchandising Occupations students will work with the “School to Career” curriculum and will move to a work-based learning site. Students will learn on the job and be paid for their internship.

Selection of skills and knowledge learned throughout the course:

- How to find a job
- Skills for success
- Career planning
- Job satisfaction awareness

Merchandising Occupations II P

MARKETING, SALES AND SERVICE INDUSTRY SECTOR



PRE-REQUISITE:

Special Education or
Department of Rehabilitation Client

Merchandising Occupations II students will continue to build upon the Merchandising Occupations I skills. Students who are ready are offered the opportunity to develop advanced leadership skills by becoming team leaders in the classroom. They will aid the teacher as an assistant, fielding questions and helping organize daily classroom activities.

Merchandising Occupations II students will continue to work with the “School to Career” curriculum and will move to a work-based learning site early in the school year. Students will gain an understanding of leadership dynamics in the workplace and the effect of good leadership. They will continue to develop their ePortfolio and will gain an understanding of transition resources that will support their post-secondary success.

Selection of skills and knowledge learned throughout the course:

- Interview skills
- Transition skills
- Resume writing skills
- Leadership skills
- Computer Technology skills
- Entrepreneurship skills
- Using credit and budget planning

Welding Technology I P

MANUFACTURING AND PRODUCT DEVELOPMENT INDUSTRY SECTOR



COURSE BENEFITS:

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

Welding Technology I P introduces students to welding through an integration with mathematics, science, and writing. Students will study theory and practical applications pertaining to a variety of welding processes, as well as metal forming and fabrication.

Selection of skills and knowledge learned throughout the course:

- Blueprint reading
- Welding terminology
- Gas metal arc & Gas Tungsten Arc Welding
- Oxy-Acetylene & Plasma Arc Cutting
- Metal Fabrication and Tool use
- Shielded Metal Arc & Flux Cored Arc Welding
- All welding positions, electric arc welding
- Hands-on experience to reinforce instruction
- Patience, persistence, and practice

This course is designed to provide students with entry-level skills required in the various metalworking occupations.

Welding Technology II P

MANUFACTURING AND PRODUCT DEVELOPMENT INDUSTRY SECTOR



COURSE BENEFITS:

UC "g" Course Credit
Skills USA Competition

Welding Technology II P expands students' knowledge, experience and training in critical thinking and leadership pertaining to welding and metal fabrication. Students will better understand various employment opportunities such as engineering, metal fabrication, and materials joining.

Selection of skills and knowledge learned throughout the course:

- Welding inspection
- Sales
- Management
- Advanced experience in joining and fastening materials
- Observation and Evaluation of welded products

Students will be prepared for a variety of careers including as a certified welder, engineer, and inspector.

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

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. This course is articulated, B or better earns 3 units of college credit.

ADV AUTO MECHANICS

Grades 11-12

Prerequisites: Successful completion of Auto 1-2

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.

MARKETING ECONOMICS

Grades 11-12

Description: The Marketing Economics is a first-year course within the Marketing Pathway. This class provides instruction to students about marketing foundations and functions. The course covers marketing ideas that have shaped our world, consumer behavior, and research. It helps students understand market forces, demographics, and business types. It teaches students the basics of personal finance, marketing finance, and cost and sales analysis. It supports critical thinking and problem-solving skills through simulations, research investigations, community-based research, role-playing, and case studies.

In addition, students who choose to enroll in the Work Cooperative Education Program through this class are eligible to earn up to 10 additional credits per school year through employment. Students are also encouraged to participate in DECA, a Career Technical Student Organization, and stand to gain valuable skills by participating in career development conferences.

BUSINESS ECONOMICS

Grade 12

Prerequisites: Successful completion of Marketing Economics

Description: The Economics of Business is an advanced course in the

Marketing, Sales, and Services Pathway offered to second-year students. The primary objective of this course is to equip learners with essential skills that will enable them to pursue entry-level careers in economics or advance their education in business-related fields.

Students are equipped with ten core competencies of economics of business that are directly applicable to management and entrepreneurship.

In addition, students who choose to enroll in the Work Cooperative Education Program through this class are eligible to earn up to 10 additional credits per school year through employment. Students are also encouraged to participate in DECA, a Career Technical Student Organization, and stand to gain valuable skills by participating in career development conferences.

INFORMATION TECHNOLOGY ESSENTIALS

Grades 9-12

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 Intro to IT Essentials, students learn the basic fundamentals of Computers, Operating Systems, hardware components in PCs, mobile devices, replacement of Field Replaceable Units, Repair, Tune Ups and more.

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 Diablo Valley College and earns the students college credit while still in high school.

CISCO INTERNET ENGINEERING (CCNA-1)

Grades 10-12

Prerequisites: Successful completion of IT Essentials

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 Diablo Valley College and earns the student college credit while still in high school.

CISCO 2 ROUTING & SWITCHING (CCNA-2)

Grades 10-12

Prerequisites: Successful completion of CCNA-1.

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 Diablo Valley College and earns the student college credit while still in high school.

INTRO TO PROGRAMMING IN PYTHON

Description: Information and Communication Technology (ICT) Pathway students will learn and apply the skills of computer programming by using a popular structured programming language, Python. Students will learn the concepts of program design, algorithm, inputs and outputs, conditional expressions, arithmetic and logical operations, controlled repetitions using loops, file and folder creation and management from a program, controlled handling of exceptions etc. Students will expand and improve their skills by doing programming exercises, individual programming projects, group based projects etc. Students will be exposed to solving real-world problems with some simple programming projects and acquire skills that they can use day to day while in high school. The students will also have the opportunity to participate in external workshops, learn from external guest speakers and also participate in field trips specifically tailored towards local software companies. The course is articulated with Chabot College.

INTRODUCTION TO ENGINEERING DESIGN Grades 9-12

Description: Introduction to Engineering Design (IED) is a high school level foundation course in the Engineering Pathway. In IED students learn the engineering design process. This includes brainstorming, technical drawing, computer modeling, creating/testing prototypes, analyzing data, and creating a portfolio of each project. Utilizing the activity project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Students will go on field trips, interact with guest speakers, participate in career fairs, and other work-based learning opportunities to enhance their understanding of what it is like to be an engineer. At the end of this course, students have the opportunity to take an exam and to become CAD certified. Ethical issues related to professional practice and product development are also presented. Alignment with NGSS, Common Core, and other standards is available through the PLTW Alignment web-based tool.

PRINCIPLES OF ENGINEERING Grades 10-12

Prerequisite: Successful completion of Introduction to Engineering and completion of Integrated 1

Description: Principles of Engineering (POE) is the 2nd foundation course of the Engineering Pathway. Through problems that engage and challenge, students explore a broad range of engineering topics, including but not limited to mechanisms, power and electricity, the strength of materials and structures, thermodynamics, automation and robotics, programming and kinematics. Much of this course parallels and prepares students to take physics or honors physics in high school during their junior or senior years. By solving rigorous and relevant design

problems using engineering and science concepts within a collaborative learning environment, project-based learning challenges students to continually hone their interpersonal and problem solving skills. Students will also learn how to document their work and communicate solutions to peers and members of the professional community. Students will be able to participate in field trips, guest speaker events, career fairs, and other work-based learning opportunities to enhance their understanding of engineering and what engineers do. At the end of this course students have the opportunity to earn college credit if they earn a B or better in the class.

CIVIL ENGINEERING & AGRICULTURE Grades 11-12

Prerequisite: Successful completion of Principles of Engineering, and Integrated 2

Description: Civil Engineering and Architecture (year 3) is the first specialization course in the Engineering Pathway. In CEA, students will gain marketable skills in the building services industry. Students will gain an overview of architectural engineering by learning how to read and develop construction drawings, build architectural models, and design residential and commercial buildings. They will gain exposure to the building codes, and become familiar with architectural, mechanical, electrical, structural and plumbing symbols. Students will learn how to do various calculations commonly used in HVAC, plumbing, and structural engineering. They will also have the chance to explore a variety of careers in both Civil Engineering and Architecture. Work based learning opportunities include guest speakers, internships, field trips, a career fair, and a possible service learning day with Habitat for Humanity. Through both individual and collaborative team activities, projects and problems, students will solve problems as they practice common design and development protocols such as project management and peer review. They will also have the chance to become user certified in AutoDesk REVIT, the current industry standard.

ENGINEERING DESIGN & DEVELOPMENT Grade 12

Prerequisite: Successful completion of Principles of Engineering, and Integrated 2

Description: Engineering Design and Development is the 4th year capstone course in the Engineering Pathway. In Engineering Design and Development (EDD) students identify a real-world challenge and then they apply the engineering design process to research, design, and test a solution, ultimately presenting their unique solutions to a panel of engineers. Students in this course learn what it means to take their engineering knowledge and expertise to solve a real-life problem in their own community. In addition, students will be able to participate in field trips, guest speakers, career fairs, and other work-based learning opportunities to enhance their understanding of engineering and what engineers do. We will showcase these projects in the spring to highlight these students and what they were able to accomplish in engineering. Students will also have a chance to help senior citizens and engineer something to help make their life easier. Students have the opportunity to earn college credit if they earn a B or better in this course along with the second semester of Principles of Engineering.

FOOD AND NUTRITION Grades 10-12

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: Food 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.

PHOTOGRAPHY

Grades 11-12

Description: Beginning Photography offers a broad-based introduction to photography, digital image workflow, editing, image correction and output used in fine art and commercial photography. Further exploration of the creative possibilities of photography include digital image manipulation and outputting. In addition to photography, this 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. The students will use Canon DSLR cameras and edit images using Adobe Lightroom and Photoshop.

ADV PHOTOGRAPHY

Grade 12

Prerequisite: Students must have completed at least one previous year-long course in photography with a grade of "B" 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, digital image management and editing techniques using professional-standard software. Students will be required to refine their 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. The students will use Canon DSLR cameras and edit images using Adobe Lightroom and Photoshop.

VIDEO PRODUCTION

Grades 11-12

Description: This course will allow students to develop professional skills in video, film, and television pre-production, production, and post-production. Fundamentals of video production, including the techniques and the aesthetics of shooting, lighting, and editing will be covered. Emphasizes hands-on production experience, using digital video. While in this course, students will be using class members as the production unit focusing on filmmaking, including story development, pre-production/production/post techniques, directing, and interpretation of drama from script to screen. This class will introduce students to video camera operation, camera stabilization techniques, lighting, scripts, and storyboarding, motion graphics and audio engineering. Software used in this class includes, shooting video and editing using Adobe Premiere Pro, Adobe After Effects, and Adobe Media Encoder and Adobe Audition. Students will develop an understanding of the wide range of business aspects within the industry. Students will also create a digital portfolio (Reel) to display all their work.

GRAPHIC DESIGN

Grades 10-12

Description: In this class students will explore elements and principles of design through the Adobe software suite; such as Adobe Illustrator, Photoshop and InDesign. They will develop skills in artistic perception, critiquing, and design strategies through projects that emphasize analyzing and solving visual art problems. Through a study of the history of design, students will also be exposed to the evolving theoretical and practical aspects of the design field.

ADV GRAPHIC DESIGN

Grades 11-12

Prerequisite: Must have a "C" or better in Graphic Design or teacher recommendation.

Description: This course provides students with an in-depth experience and mastery of design tools, processes, and systems common to careers in media and print production. Lessons will offer insight to career examinations in the art field and industry skills to include: printing enterprise, art and copy preparation, advertising, image generation and assembly, graphic reproduction operations, binding and/or finishing related to digital imaging, pre-press, and digital production.

MEDIA ARTS JOURNALISM

Grades 10-12

Prerequisite: Students must have a 2.0 GPA or better and must have passed their most recent English class with a C or better. Students must obtain approval of teacher/advisor based on an application and teacher recommendation.

Description: Students learn multiple journalism-related skills (such as writing, interviewing and photography).

MEDIA ARTS ADV JOURNALISM

Grades 11-12

Prerequisite: Students must have a 2.0 GPA or better and must have passed their most recent English class with a C or better. Students must obtain approval of teacher/advisor based on an application and teacher recommendation.

Description: Students learn multiple journalism-related skills (such as editing, design, video production, web publishing, social media promotion and business management) and apply them as a team to publish the school newspaper, web site and related media pages. Students build upon the skills learned in Media Arts Journalism and serve in newspaper/publishing leadership positions. Students must be able to work independently. Students may repeat the class with teacher/advisor approval. This is a four-year university elective and a Career Technical Education course that earns required CTE graduation credit.

PUBLICATIONS: PHOTOJOURNALISM

Grades 10-12

Prerequisite: B or Higher in previous English class and Application recommended

Description: Photojournalism (Yearbook) is a two-semester course that combines the high-level critical thinking, reading and writing skills of print journalism with the artistic, creative and aesthetic skills of the visual and graphic arts. Students will study reading, writing, photography, graphic design and editing, as well as further develop their research skills, providing them with the journalistic expertise necessary to design and produce a year-end journalistic volume of student photography, research and writing.

Students master the reading, writing and editing of the most common forms of journalistic stories; write and rewrite routinely for a range of tasks and purposes; comprehend complex informational texts independently and proficiently; examine and analyze the structure of texts in order to model them in their own writing; learn concise and

HAYWARD UNIFIED SCHOOL DISTRICT

HAYWARD HIGH SCHOOL

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

ENTREPRENEURSHIP I P

Grades 10-12

Description: Students will study the fundamentals of entrepreneurship and will research various business models. Topics include identifying the characteristics of an entrepreneur, discovering entrepreneurial opportunities, building a business, and researching market trends. As a culminating project, students develop a business plan by incorporating the necessary steps to implement their unique venture that conforms to all applicable governmental laws and regulations.

ENTREPRENEURSHIP II P

Grades 11-12

Prerequisite: Entrepreneurship I P

Description: Entrepreneurship II applies the foundations of E1 and explores business concepts in further depth. This course develops students' understanding of the entrepreneurial mindset, business markets, franchises, start-ups, research, and financing. Students develop a business plan and create pitches for prospective investors. Students will learn key business strategies for sustainable market growth to nurture and expand business ventures. Students will participate in a variety of projects which support critical thinking, teamwork, and problem solving skills. Students are also encouraged to participate in a Career Technical Student Organization (CTSO) to gain valuable skills by participating in competitions and career development conferences.

PHOTOGRAPHY I P

Grades 10-12

Description: 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

Description: Extension to basic photography course. Advanced students do independent regular photo projects and learn Photoshop.

SPORTS MEDICINE I P

Grades 10-11

Description: 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. Early college credit available.

THEATER I P

Grades 9-12

Description: 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

Description: 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.

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

Description: 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

Description: 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.

Description: 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

Description: Students will study the fundamentals of entrepreneurship and will research various business models. Topics include identifying the characteristics of an entrepreneur, discovering entrepreneurial opportunities, building a business, and researching market trends. As a culminating project, students develop a business plan by incorporating the necessary steps to implement their unique venture that conforms to all applicable governmental laws and regulations.

ENTREPRENEURSHIP II P

Prerequisite: Entrepreneurship I P

Description: 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. Early college credit available.

PHOTOGRAPHY I

Description: 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. Early college credit available.

PHOTOGRAPHY II

Description: Extension to basic photography course. Advanced students do independent regular photo projects and learn Photoshop. This course

is sponsored by ROP. Early college credit available.

SPORTS MEDICINE I P

Description: 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. Early college credit available.

TENNYSON HIGH SCHOOL

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

BIOMEDICAL INNOVATION P

Grade 12

Description: 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

Description: Students will study the fundamentals of entrepreneurship and will research various business models. Topics include identifying the characteristics of an entrepreneur, discovering entrepreneurial opportunities, building a business, and researching market trends. As a culminating project, students develop a business plan by incorporating the necessary steps to implement their unique venture that conforms to all applicable governmental laws and regulations.

ENTREPRENEURSHIP II P

Grades 11-12

Prerequisite: Entrepreneurship I P

Description: Entrepreneurship II applies the foundations of E1 and explores business concepts in further depth. This course develops students' understanding of the entrepreneurial mindset, business markets, franchises, start-ups, research, and financing. Students develop a business plan and create pitches for prospective investors. Students will learn key business strategies for sustainable market growth to nurture and expand business ventures. Students will participate in a variety of projects which support critical thinking, teamwork, and problem solving skills. Students are also encouraged to participate in a Career Technical Student Organization (CTSO) to gain valuable skills by participating in competitions and career development conferences.

HUMAN BODY SYSTEMS

Grade 10

Description: 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

Description: 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. Early college credit available.

MULTIMEDIA I

Grades 10-12

Description: 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

Description: 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

Description: 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

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

Description: 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

Description: 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 9-12

Description: 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 etiquette 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 OWNERSHIP (EI)

Grade 10

Description: 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 who choose to enroll in the Work Cooperative Education Program through this class are eligible to earn up to 10 additional credits per school year through employment. Students are also encouraged to participate in DECA, a Career Technical Student Organization, and stand to gain valuable skills by participating in career development conferences.

MARKETING ECONOMICS I P

Grade 11

Description: 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 policymakers both here in the U.S. and abroad. The overarching goal of these courses is to develop each student's 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 who choose to enroll in the Work Cooperative Education Program through this class are eligible to earn up to 10 additional credits per school year through employment. Students are also encouraged to participate in DECA, a Career Technical Student Organization, and stand to gain valuable skills by participating in career development conferences.

Students will explore 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. Students will also be required to complete class and homework research assignments.

BUSINESS ECONOMICS & FINANCE (E2)

Grade 12

Description: 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.

COLLEGE/CAREER

Grade 9

Description: 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.

GRAPHIC ARTS

Grades 10-12

Description: 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!

INTRO TO ENGINEERING

Grades 9-12

Description: This is the introductory course for the Advanced Manufacturing Pathway. Instruction will be given in the following areas of engineering and design: elements of design, design history, technical sketching including orthographic projection, dimensioning, perspective drawing, 2-point perspective drawing, and hand drawn 2D and 3D representations. Students will also explore sustainable design, clean energy and computer aided design. Students will experience design problems related to the vocational fields in construction architecture, interior design and engineering, and examine trade-related occupations; and global human impact.

PRODUCT DESIGN 1 (IPDI)

Grades 10-12

Prerequisite: Grade of C or better in Intro to Engineering

Description: Have you ever wondered how an iPhone or your favorite toy was made? Students will learn how to design, develop, and create a fully functional device (prototype) that includes the mechanics, electronics, and software. The class is highly collaborative and project based. Students will learn first-hand user centric design. Students learn about the methods of design and problem solving. From there, students learn about the various tools needed to create tools and how to apply the use of the tools back to the design process. This process will include individual work as well as group work. The class is designed with real world projects that provide students with the skill set needed to complete product design from initial creativity to CAD models, to electronics, to woodshop, to 3D printing and laser cutting.

PRODUCT DESIGN 2

Grades 11-12

Prerequisite: Grade of C or better in Product Design 1

Description: In continuation from Product Design 1 skills, students produce two products in the first semester and learn how to manage tasks and deadlines on relatively simple products. The entire second semester is devoted to the development of a third project and students are expected to create a functioning prototype that has been through several iterative cycles.

ROBOTICS I

Grades 11-12

Prerequisite: Grade of C or better in Algebra, concurrent enrollment in Geometry and Physics

Description: Robotics I introduces high school students to the working principles and foundations of computer science through robotics. Students learn to control robots using both block-based programming and text-based programming in "C" programming language. Virtual and hardware robots are used as platforms to engage students in personalized and collaborative learning of computer science integrated with science, technology, engineering, art, and math (STEAM) concepts. The course emphasizes hands-on robotics activities with a focus on human-computer interaction, computational thinking, and data analysis. It prepares students for solving math problems through coding. With creative design and extensive project-based activities, students develop critical thinking, problem solving, effective communication, and teamwork skills.

WOOD TECHNOLOGY I

Grades 10-12

Prerequisite: For safety, students who do not demonstrate a maturity level appropriate for the class curriculum must choose another class

Description: 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

Prerequisite: Grade of C or better in Wood 1 or instructor approval

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.

INTRO YEARBOOK & JOURNALISM

Grades 10-12

Prerequisite: Required 2.0 GPA or portfolio approval

Description: Introduction to Yearbook and Journalism focuses on developing and strengthening students' understanding of the practices and purposes of journalism. Students will write and edit several forms of journalistic stories; read and analyze non-fiction through expository writing; learn and practice the basics of designs and layout; analyze, evaluate and create images, videos, and graphics; use word processing, web publishing, and design software; evaluate and understand print and online ethics including the use of social media; and demonstrate knowledge and understanding of the history of journalism and press law.

JOURNALISM 2 (HONORS)

Grades 10-12

Prerequisite: Required Completion of Introduction to Journalism with C or higher or by portfolio approval.

Description: Journalism II Honors: Newspaper Production is a year-long capstone option and a reading and writing heavy course which centers on both academic and practical applications of language arts. Students will learn advanced journalistic writing style with a focus on publication both of the school newspaper and national publications. Students will master journalistic style and analytical reading, writing, thinking and

listening. Students will also develop/learn AP style, journalism laws and ethics, extensive reading and critical analysis of professional news writing and other non-fiction works, practice and exploration of expository writing techniques and discussions on the history and current state of journalism in the United States and the world. The course will also feature other aspects of student journalism and newspaper production, including but not limited to, editing, photography, design, digital publishing, podcasting, business leadership skills, business writing and advertising. Students will deepen their understanding of journalism in modern American life and its implications to American and global society through continual reading, discussion, analysis, and writing. Ultimately, students will use their reading, writing, leadership and media skills in the production of the print Cargo and the digital Cargo online.

YEARBOOK 2 (HONORS)

Grades 10-12

Prerequisite: Required Completion of Introduction to Journalism with C or higher or by portfolio approval

Description: Advanced Media Leadership is a year-long capstone option in which students undertake editorial positions, which teach leadership skills. Editors in this class have successfully completed prerequisites in design, photography and journalism production and writing. This leads to a year of serving in a design leadership role in the production team for the student yearbook, as well as studying college and career options and preparing for the future.

Leadership options will range from serving as the chief design organizer and planner of story teams to serving as editors over larger staffs. In this course, students will demonstrate mastery of all publication design principles, Online Design, through planning a comprehensive design scheme for print production of the school yearbook.

WEB DESIGN

Prerequisite: Grade of C or better in Algebra 1

Description: Students will learn to code in three computer languages: HTML, CSS, and Javascript. Students will show artistic creativity and precise technical knowledge through front-end web development projects that use industry standard practices and tools, such as Bootstrap and JQuery, to create visually pleasing, interactive web applications. Strong analytical and mathematical skills are recommended due to the exact and logical nature of programming languages. Students who are successful in this course will be prepared to start a journey toward becoming web developers or be ready for further study in other computer science fields.

AP COMPUTER SCIENCE PRINCIPLES

Prerequisite: C or better in Advanced Algebra/Trigonometry recommended.

Description: Students will learn how the internet works, how information is stored digitally in various types of encoding, the influence of big data on our lives, and an introduction to computer programming in Javascript. This course is aimed at students who want a college-level computer science course but want the opportunity to be creative and explore more than just code. Students will create simple interactive apps and graphics with code and be able to explain their process and development choices in writing. Students can receive college credit for completing 2 thorough-course projects and a multiple choice AP exam in the Spring. Strong reading comprehension and writing skills are recommended.

AP COMPUTER SCIENCE A

Prerequisite: Grade of B or better in Advanced Algebra/Trigonometry recommended. Grade of B or better in AP Computer Science Principles or teacher approval.

Description: Students will learn object-oriented computer programming in Java. This rigorous, college-level course focuses on computer science theory such as search and sort algorithms, data structures, encapsulation, and polymorphism. Students will use the Java programming language to solidify their knowledge of big ideas in programming that can be translated to other popular languages in further study or future careers. Strong mathematical and analytical skills are recommended. Previous programming experience recommended but not entirely necessary.

SAN LORENZO UNIFIED SCHOOL DISTRICT

ARROYO HIGH SCHOOL

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

MARKETING ECONOMICS I P

Grades 10-12

Description: 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 choose to enroll in the Work Cooperative Education Program through this class are eligible to earn up to 10 additional credits per school year through employment. Students are also encouraged to participate in DECA, a Career Technical Student Organization, and stand to gain valuable skills by participating in career development conferences.

BUSINESS OWNERSHIP (E1)

Grades 10-11

Description: 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 who choose to enroll in the Work Cooperative Education Program through this class are eligible to earn up to 10 additional credits per school year through employment. Students are also encouraged to participate in DECA, a Career Technical

Student Organization, and stand to gain valuable skills by participating in career development conferences.

BUSINESS ECONOMICS AND FINANCE (E2)

Grade 12

Description: 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 who choose to enroll in the Work Cooperative Education Program through this class are eligible to earn up to 10 additional credits per school year through employment. Students are also encouraged to participate in DECA, a Career Technical Student Organization, and stand to gain valuable skills by participating in career development conferences.

PHOTOGRAPHY - BEGINNING

Grades 10-12

Description: 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.

PHOTOGRAPHY - ADVANCED

Grades 11-12

Description: 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.

SPORTS MEDICINE I P

Grades 11-12

Description: 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.

SAN LORENZO HIGH SCHOOL
15701 Lorenzo Avenue
San Lorenzo, CA 94580
(510) 317-4000

CAREERS IN LAW AND PUBLIC SAFETY I P Grades 9-12

Description: 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.

CAREERS IN LAW AND PUBLIC SAFETY II P Grades 9-12

Prerequisite: "C" or better in Criminal Justice or teacher recommendation.

Description: 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. UC/CSU (g).

MEDIA ARTS 12 Grades 11-12

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.

Description: 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. UC/CSU (f)

MULTIMEDIA Grade 9

Description: 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.

PHOTOGRAPHY - BEGINNING Grades 10-12

Description: 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. UC/ CSU (f)

PHOTOGRAPHY - ADVANCED

Grades 11-12

Prerequisite: "C" or better in Photography.

Description: 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. UC/CSU (f)

VIDEO PRODUCTION

Grade 10

Prerequisite: Must be in BADA.

This is a CA Partnership Academy (CPA) pathway course for BADA Academy. The course introduces and develops the skills necessary for students to interpret and discuss the complex meanings and social impact of film and television media. Students learn the vocabulary necessary to discuss the various artistic, social and technical implications of various television and film productions from a variety of cultures and countries. In groups and individually, students use the information gained to produce written works that will serve as the basis for short video productions. Students learn and put into practice the communicative, cooperative, and creative skills necessary to produce a video product for commercial and artistic goals. Students will learn and be able to discuss the history of the film and television media and their part in shaping the culture of the world in which they live.

ADVANCED VIDEO PRODUCTION

Grade 11

Prerequisite: "C" or better in Video Production or have special teacher permission. Must be in BADA.

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. UC/CSU (f)

YEARBOOK PUBLICATION

Grades 9-12

Prerequisite: Teacher recommendation and permission of instructor is required. Beginning computer skills are strongly recommended.

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.

INTRO TO DESIGN 1-2

Fundamentals of Design is the first of four courses in the nationally acclaimed Project Lead the Way (PLTW) Engineering Program. During this course, students are introduced to the engineering design process, applying math, science, art, and engineering standards to identify and design solutions to a variety of real problems. Students work individually and collaboratively in teams to develop and document design solutions using engineering notebooks and 3D modeling software. The essential elements of art and design are integrated into lessons and student Projects that allows them to receive Fine Art credit toward graduation in the state of California, UC system.

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	A-G CSU/UC Pre-requisite	College Credit Availability
EDEN AREA REGIONAL OCCUPATIONAL PROGRAM			
EAROP	Automotive Technology I P and II P	g	yes
EAROP	Careers In Education I P	g	yes
EAROP	Careers In Education II P	g	yes
EAROP	Construction Technology I P	g	no
EAROP	Culinary Science I P and II P	g	yes
EAROP	Careers in Law, Forensics, and Public Safety I P and II P	g	yes
EAROP	Cybersecurity I P	g	yes
EAROP	Cybersecurity II P	g	yes
EAROP	First Responder (Fire Science/ EMT) I P and II P	g	yes
EAROP	Medical Careers I P	d	yes
EAROP	Medical Careers II P (Honors)	g	yes
EAROP	Welding Technology I P and II P	g	yes
CASTRO VALLEY UNIFIED SCHOOL DISTRICT			
Castro Valley	Auto 1-2	g	yes
Castro Valley	Biotechnology	d	yes
Castro Valley	Introduction to Programming	g	yes
Castro Valley	IT Essentials	g	yes
Castro Valley	Introduction to Networks	g	yes
Castro Valley	Routing and Switching	g	yes
Castro Valley/ EAROP	Economics of Business	g	yes
Castro Valley	Food & Nutrition	g	yes
Castro Valley	Graphic Design I	f	yes
Castro Valley/ EAROP	Marketing Economics I P	g	yes
Castro Valley	Medical Careers 1/2	g	yes
Castro Valley	Photography	f	yes
Castro Valley	PLTW Intro to Engineering	d	yes
Castro Valley	PLTW Principles of Engineering	d	yes

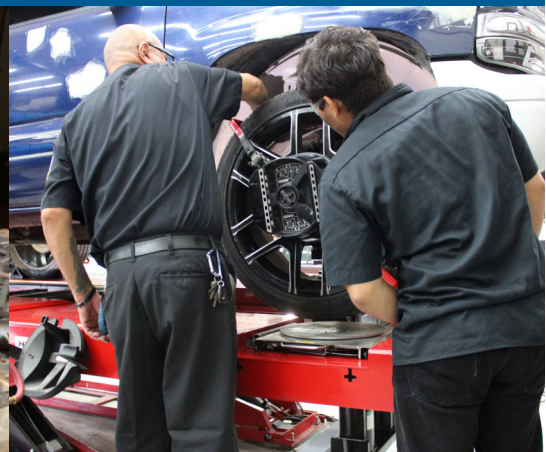
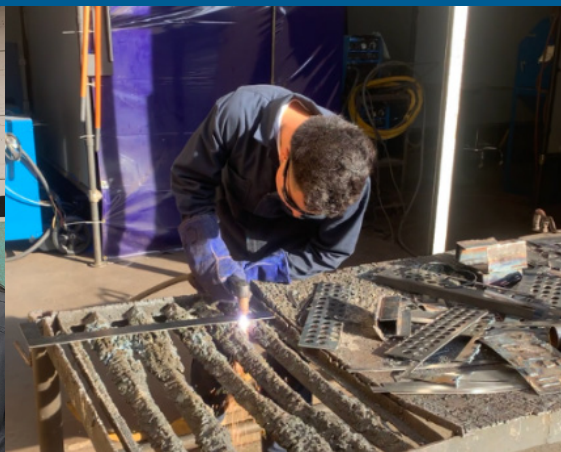
School	High School Course Name	A-G CSU/UC Pre-requisite	College Credit Availability
HAYWARD UNIFIED SCHOOL DISTRICT			
Hayward	PLTW - Introduction to Engineering	d	yes
Hayward/ EAROP	Entrepreneurship I P	g	yes
Hayward/ EAROP	Entrepreneurship II P	g	yes
Hayward	Photography	f	yes
Hayward	Sports Medicine I P	g	yes
Mt. Eden/ EAROP	Entrepreneurship I P	g	yes
Mt. Eden/ EAROP	Sports Medicine I P	g	yes
Mt. Eden	Photography	f	yes
Tennyson/ EAROP	Entrepreneurship I P	g	yes
Tennyson/ EAROP	Entrepreneurship II P	g	yes
Tennyson/EAROP	Medical Interventions	d	-
Tennyson/EAROP	Sports Medicine	g	yes
SAN LEANDRO UNIFIED SCHOOL DISTRICT			
Lincoln	College & Career	g	yes
San Leandro	Automotive Technology I	g	yes
San Leandro	Business Applications	g	yes
San Leandro	College & Career	g	yes
San Leandro/EAROP	Entrepreneurship I P/Business Ownership	g	yes
San Leandro/EAROP	Entrepreneurship II P/Business, Economics & Finance	g	yes
San Leandro	Ethnic Studies	a	yes
San Leandro	PLTW - Introduction to Engineering Design & Invention	d	yes
San Leandro/EAROP	Marketing Economics I P	g	yes
San Leandro	Sports Medicine	d	yes
San Leandro	Theater I	f	yes
SAN LORENZO UNIFIED SCHOOL DISTRICT			
Arroyo/ EAROP	Entrepreneurship I P/Business Ownership Tech	g	yes
Arroyo/ EAROP	Entrepreneurship II P/Business, Economics, and Finance	g	yes
Arroyo/ EAROP	Marketing Economics I P	g	yes
Arroyo	Photography I	f	yes
Arroyo	Sports Medicine I	g	yes
Arroyo	PLTW Intro to Engineering	d	yes
Arroyo	PLTW Principles of Engineering	d	yes
San Lorenzo	Video Production	f	TBD
San Lorenzo	Advanced Video Production	f	TBD
San Lorenzo/ EAROP	Careers in Law and Public Safety I P	g	yes
San Lorenzo	Beginning Photography	f	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



150+ CLASSES THIRTEEN 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



THE EDEN AREA REGIONAL OCCUPATIONAL PROGRAM SCHOOL WIDE LEARNER OUTCOMES

DEMONSTRATE APPROPRIATE WORK ETHIC

Acting as a responsible citizen in the workplace and the community. Modeling integrity, ethical relationship, and effective management

DEMONSTRATE CAREER AND COLLEGE PREPARATION

Applying appropriate technical skills and academic knowledge. Developing an education and career plan aligned to personal goals. Applying technology to enhance productivity. Practicing personal health and understanding financial literacy

DEMONSTRATE EFFECTIVE COMMUNICATION

Communicating clearly, effectively, and with reason. Working productively in teams while integrating cultural/global competence

DEMONSTRATE CRITICAL THINKING SKILLS

Utilizing critical thinking to make sense of problems and persevere in solving them

THANK YOU FOR YOUR SUPPORT

CASTRO VALLEY UNIFIED SCHOOL DISTRICT

HAYWARD UNIFIED SCHOOL DISTRICT

SAN LEANDRO UNIFIED SCHOOL DISTRICT

SAN LORENZO UNIFIED SCHOOL DISTRICT

CHABOT COLLEGE

DIABLO VALLEY COLLEGE

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