

*Tri-Valley Regional Occupational  
Center/Program*

*Course Offerings  
2012-2013*



*Preparing People for College and Careers*

*Serving Dublin, Livermore, Pleasanton and Sunol Unified School Districts and the community at large.*

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## **Arts, Media and Entertainment**



### **ANIMATION & MOTION GRAPHICS I**

Location: Dublin (8:00 a.m. – 10:01 a.m.)

Credit: 20 (1 year)

Fulfills a-g: in process - TBD

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

Students will explore the art and science of visual motion by creating animated videos. The eleven principles of animation will be put into practice through Toon Boom Studio professional animation software. Students will work through a professional animation work-flow. Students have access to state-of-the-art equipment including 24" High Definition computer monitors and Wacom drawing tablets. Students design projects for such media as the Internet, DVD, TV, Film, iPod, cell phones and other mobile devices.

### **ANIMATION & MOTION GRAPHICS II**

Location: Dublin (8:00 a.m. – 10:01a.m.)

Credit: 20 (1 year)

**Prerequisite:** Animation and Motion Graphics I

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

This course is for students wishing to pursue a career in the area of Animation, Motion Graphics or Visual Effects. Students will work on advanced long-term projects refining and applying their skills. Students will act as peer mentors to students in Animation and Motion Graphics 1. Students will work on professional projects for local businesses. They will collaborate across the ROP Media Arts Department with other level II students in the Multi-Media and Visual Communications classes to form complete media teams. Students will complete the class with a portfolio of both personal and professional projects suitable for acceptance into post-secondary schools and job placement.

### **MULTIMEDIA I**

Location: Dublin (9:01 – 10:01 a.m. or 10:07–11:02 a.m. or 11:08–12:03 p.m.)

Credit: 10 (1 year)

Fulfills a-g: in process - TBD

College Credit: 3 credits at Chabot

**Prerequisite:** Have the ability to write clearly, enjoy speaking to an audience and an interest in multimedia industry technology

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

**NOTE: Students may concurrently enroll in Multimedia I and Multimedia II.**

Learn the organizational and technical skills needed for various careers in multimedia such as video, television, and computer graphics. Participate in writing, speaking, and critiquing student projects. Projects involve writing, producing, camera operation and computer editing through the creation of the school-site video bulletin. Develop media to be included in your media portfolio and for presentation in the class-run media festival, a major focus of the program.

**MULTIMEDIA II**

Location: Dublin (9:01 – 10:01 a.m. or 10:07–11:02 a.m. or 11:08–12:03 p.m.)

Credit: 10 (1 year)

College Credit: Credit By Exam in process - TBD

**Prerequisite:** Have the ability to write clearly, enjoy speaking to an audience and an interest in multimedia industry technology

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

**NOTE: Students may concurrently enroll in Multimedia I and Multimedia II.**

For intermediate and advanced media creators who have a basic knowledge of how to operate a video camera, create visual graphics, and design media presentations. Participate in group creative projects for delivery to the school and outside media organizations. Utilize the World Wide Web to deliver content. Projects include advanced work on the school-site video bulletin as well as provide media segments for the Dublin Unified School District show titled "Dublin Life."

**TELEVISION PRODUCTION**

Location: Dublin (Studio days at TV30) (1:00 p.m. – 3:00 p.m.)

Credit: 20 (1 year)

College Credit: 3 credits at Chabot

Learn about the exciting industry of television production through our learn-by-doing approach. Units include camera operations, audio/video recordings, directing, writing, acting, set design, sound/lighting design and editing. Learn all phases of broadcasting—announcing, performing and writing—through video applications and access to a working TV studio. Discover why video is used: to inform, to teach, to share common concerns, to entertain, and to effect change. Understand the legal restraints concerning copyright, taping and responsible reporting. **This course is articulated with Chabot College and each students may receive college credits with a grade of B or better for each semester or trimester.**

**VIDEO GAME ART & DESIGN**

Location: Dublin (3:00 p.m. – 4:00 p.m.)

Credit: 10 (1 year)

Students get hands-on experience designing, drawing, animating, and programming their own video games. Students will explore the creative aspects of game design, its history and place in our society, its potential as both a creative and communications medium, and how to make it a career. Students learn the foundation of character development, environmental design, plot building, and game play through 2D games. Drawing, movement, sound, and programming are covered in the process of creating simple games both individually and as teams. Second semester introduces more advanced concepts including artificial intelligence, multi-user game design, game engines, and 3D game design. Students will develop a portfolio of their work to use in seeking internships, or to gain admission into port-secondary game design programs.

### **VISUAL COMMUNICATIONS I**

Location: Dublin (12:44 p.m. – 2:40 p.m.)

Credit: 20 (1 year)

Fulfills a-g: "f" Visual Arts-Advanced

College Credit: 3 credits at Las Positas College - CSU transferable elective

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

Visual Communications (Print Graphics) offers both a theoretical and applied academic foundation to graphic art and traditional art. This comprehensive program emphasizes the fundamentals of the elements of art and design. The ability to plan and create original works of art will be developed through research, analysis, and critique. Students will express their original creativity visually and develop and showcase their ability to communicate ideas through visual arts communications. Students will have the opportunity to design and produce projects for clients using computer graphic design software. Examples of projects are: logo design, graphics for advertising, posters, web sites and graphics for game and software interfaces. A portfolio will be generated that can be used to demonstrate their abilities for college entrance or employment in the visual arts field. **This course is articulated with Las Positas College and each student may receive college credits with a grade of "B" or better for each semester or trimester. This course meets the fine art requirement for U.C. and C.S.U.**

### **VISUAL COMMUNICATIONS II**

Location: Dublin (12:44 p.m. – 2:40 p.m.)

Credit: 20 (1 year)

**Prerequisite:** Visual Communications I

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

This course is for students who want to pursue a career in the area of Graphic Design. Students will work on long-term projects advancing and applying their skills, such as professional projects for local businesses. They will collaborate across the ROP Media Arts Department with other level-two students in the Multi-Media and Animation programs to form complete media teams. Create a personal portfolio of work presentable for acceptance into post-secondary schools as well as job placement as a working professional in the field.

## **Education, Child Development, and Family Services**



### **CAREERS WITH CHILDREN**

Location: Granada (12:35 – 1:45 p.m.), Livermore (10:45 – 11:55 a.m.)

Credit: 5 (1 trimester)

**Prerequisite:** **Proof of a current TB Test and Transportation.** Priority given to Juniors.

Interested in a career helping children? Then, this is the class for you! Explore a variety of careers (such as teacher, counselor, school psychologist, child care provider, pediatrician), study child development and learn valuable professional techniques used in careers working with children. Finally, put your knowledge to the test by having the opportunity to work children now. In addition, hear from local businesses and organizations and receive a first-hand look of how to jump start a career working with children.

### **DEVELOPMENTAL PSYCHOLOGY OF CHILDREN I**

Location: Amador (12:57 – 2:55 p.m.), Foothill (9:01 – 11:03 a.m.)

Credit: 20 (1 year)

Location: Granada, Livermore

Credit: 20 (4 trimesters)

College Credit: 4-6 credits at Las Positas College - CSU transferable elective

Fulfills a-g: "g" elective – History/Social Science

**Prerequisite:** **Proof of a current TB Test**—provided by the student—to work in the community.

Internship: Community Classroom (non-paid internship) and Co-op (paid internship)  
*Internship is a required component of the program and students must provide their own transportation. Students in Co-op may earn up to five additional credits per high school semester or trimester.*

Interested in a career involving children? Have you thought about becoming a pediatrician, teacher, psychologist, or social worker? If so, the Developmental Psychology of Children (DPC) course is for you. DPC is a course that combines classroom instruction and off-campus internships. That means you learn about the development of children, while you actually get to work with them! Internships take place during the scheduled class time at local elementary schools, child care centers, or preschools. Opportunities for after-school paid internships are also available. Throughout the school year, you will study a variety of child growth and development topics, and you will learn how to work with children ages birth to adolescence. In addition, you will be trained in CPR. After successfully completing the course, you are eligible to receive transferable college credits (for free) from Las Positas College! Make a difference in a child's life... enroll in Developmental Psychology of Children. **This course is articulated with Las Positas College and each student may receive college credits with a grade of "B" or better for each semester or trimester. This course meets the elective requirement for U.C. and C.S.U.**

### **DEVELOPMENTAL PSYCHOLOGY OF CHILDREN II**

Location: Amador (12:57 – 2:55 p.m.), Foothill (9:01 – 11:03 a.m.)

Credit: 20 (1 year)

Location: Granada (12:35 – 3:05 p.m.), Livermore (9:20 – 11:55 a.m.)

Credit: 20 (4 trimesters)

College Credit: 3 credits at Las Positas College - CSU transferable elective

**Prerequisite:** Developmental Psychology of Children I and **Proof of current TB Test**—provided by the student—to work in the community.

Internship: Community Classroom (non-paid internship) and Co-op (paid internship)  
*Internship is a required component of the program and students must provide their own transportation. Students in Co-op may earn up to five additional credits per high school semester or trimester.*

An advanced class in child development and education. Students increase their knowledge, experience, and job skills at an internship placement. Advanced projects further develop skills. Students will focus on: observation of children and programs; communicating with children, staff, and parents; planning age-appropriate curriculum; and understanding the history, theories, philosophies, and legal aspects of careers related to children. **This course is articulated with**

Las Positas College and each student may receive college credits with a grade of “B” each semester or trimester. This course meets the elective requirement for U.C. and C.S.U.

## Energy and Utilities



### ALTERNATIVE & RENEWABLE ENERGY

Location: Dublin (11:08 a.m. – 12:03 p.m.)

Credit: 10 (1 year)

Fulfills a-g: “g” elective – Science-Physical

**Prerequisite:** Algebra I or equivalent passed with “C” or better

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

Alternative & Renewable Energy is an introduction to energy resources used in today’s world and an exploration of resources being developed now and in the future. This includes study of the use of fossil fuels and nuclear energy, as well as providing students with the opportunity to explore the uses, efficiencies, and future social, economic and environmental implications of developing energy resources other than those based on fossil fuel. Students will explore the controversies of our human impact on this planet with our fuel demands and possible solutions to our energy needs. Students will learn about bio-fuels, hydrogen fuel cells, geothermal heat transfer, wind energy, and solar as a source of both heat and electric power. Fieldtrips and student led projects will provide real world application of our studies. Students will gain a broad understanding of energy efficiencies and cost-benefit analysis of resource use as well as a sound practical application of general energy principles. Career exploration in the growing field of alternative energy will be emphasized.

### ENVIRONMENTAL SCIENCE

Location: Foothill (8:00 a.m. – 9:57 a.m.), Dublin (12:44 p.m. – 2:40 p.m.)

Credit: 20 (1 year)

**Prerequisite:** Algebra I or equivalent passed with “C” or better

*Alternative Graduation Credit: 10 Life and 10 Physical Science*

Fulfills a-g: “g” elective – Science-Integrated (10 credits)

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

Gain the knowledge and skills to understand cause and management of environmental problems. Learn basic laboratory and field techniques including specimen sampling and processing, site monitoring, documentation, inspection and emergency response. Become familiar with the Geographic Information Systems (GIS). Incorporate academic rigor with practical application by exploring the links between environment, politics, and economics. Gain a broad awareness of environmental science and technological career opportunities through involvement with local environmental businesses, educational research institutes, and national

labs. Motivated students are encouraged to take part in job shadowing and additional outdoor activities. Successful students will lay the foundations for further environmental studies or continued preparation for technical environmental areas.

### **ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE**

Location: Foothill (8:00 a.m. – 9:57 a.m.), Dublin (12:44 p.m. – 2:40 p.m.)

Credit: 20 (1 year)

**Prerequisite: Geometry or Intermediate Algebra passed with “B” or better, plus one other UC approved Laboratory (“d”-level) Science with a B or better or by instructor approval.**

Fulfills a-g: “d” Lab Science (10 credits)

College Board Advanced Placement (or AP) approved for 10 credits

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

In addition to the core requirements outlined for Environmental Science, Advanced Placement Environmental Science students can enrich their learning potential with job shadowing, internships, community service, and career mentoring. Units designed to provide students with an academic experience parallel to that of the college level, while promoting critical thinking skills involved in independent research studies. All Advanced Placement students are expected to take the Advanced Placement Environmental Science Exam. **This course meets the lab science requirement for U.C. and C.S.U.**

### **WATER POLLUTION CONTROL (Waste Water Treatment)**

Location: Dublin San Ramon Services District (Wastewater Treatment Facility – Pleasanton)

Credit: 10 (1 year)

Up to 20 additional credits available through community classroom internship – must be 18 to qualify.

3 hrs on Tuesday evenings (5:00 – 8:00 p.m.) plus job shadow hours

Job shadow: *72 hours of job shadow is a required component of the program and students must provide their own transportation.*

Internship: Community Classroom (non-paid internship)

To earn up to 20 additional credits, students who are at least 18 will have the opportunity to complete a non-paid internship. *Students must provide their own transportation.* Students are encouraged to work 10-15 hours per week at teacher approved sites. Internship leads and guidance will be provided. Students will earn 1 credit for every 18 hours they are at internship site.

College Credit: CSU Sacramento Certificate – Operation of Wastewater Treatment Plants I & II (*A fee of \$50 per semester is required to earn 9 continuing education units each semester*)

State Water Resource Control Board Certificate – Operator in Training-Grade 1 (*Fee for OIT certificate is \$95 and required for Internship.*)

Recommend: Completion of Algebra I and Chemistry

Open to Grade 12 only.

Learn the basic principles of how to operate and maintain a domestic wastewater treatment plant under the direction of licensed plant personnel. Gain knowledge of the various machinery, computer systems and equipment connected with biological treatment processes; read and interpret charts, process flow meters, and gauges; collect samples; perform process tests; and related duties. Completion of this course prepares students for certification as wastewater treatment plant operators and entry-level employment. Program is helpful for students who wish to enter maintenance, laboratory, collection system, or water distribution work. **Must attend pre-enrollment orientation.**

## **Engineering and Design**

### **CIVIL ENGINEERING AND ARCHITECTURE**

Location: Livermore  
Credit: 10 (2 trimesters)  
Fulfills a-g: "g" other

**Prerequisite:** Completion of foundation engineering pathway classes

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is a specialization-level course designed to follow the Project Lead the Way Engineering foundation courses

### **COMPUTER INTEGRATED MANUFACTURING**

Location: Dublin  
Credit: 10 (1 year)  
Fulfills a-g: "g" other

**Prerequisite:** Completion of foundation engineering pathway classes

How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? While students discover the answers to these questions, they're learning about the history of manufacturing, robotics and automation, manufacturing processes, computer modeling, manufacturing equipment, and flexible manufacturing systems. This course is a specialization-level course designed to follow the Project Lead the Way Engineering foundation courses.

## **Finance and Business**

### **BUSINESS CAREERS**

Location: Granada (class time TBD)  
Credit: 5 (up to 10 with Co-op\*) (1 trimester)  
Grades: 10-12

This course introduces students to the world of business and will explore the foundations of the economy, marketing, operations, entrepreneurship, management, global business, and finance. Students will gain knowledge and skills required for success in today's marketplace. Students may be part of DECA\*\*, a student organization that Develops Future Leaders in Marketing, Management and Entrepreneurship.

*\*Business Careers is a cooperative (co-op) work-based learning class, in which the curriculum is directly associated with on-the-job experience. Students receive variable co-op credits based on the number of "on-the-job" hours worked. Students are encouraged to work 10-15 hours per week at teacher approved sites in the Tri-Valley geographical area with their current job, or employment leads and guidance will be provided. Students can earn 1 credit for every 18 hours they work, up to 5 credits per semester. A job is required for earning the additional credits, and students must provide their own transportation.*

*\*\*DECA, [www.deca.org](http://www.deca.org), prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management. DECA offers the opportunity for students to participate in competitive events throughout the year, in a*

variety of locations at local, state and international levels. Students will also have the opportunity to receive recognition, awards and scholarships. DECA is endorsed by the United States Department of Education and the California Department of Education.



### **ECONOMICS OF BUSINESS OWNERSHIP**

Location: Amador, Dublin, Foothill (class time TBD)

Credit: 10 (up to 30 with Co-op\*) (1 year)

Location: Granada, Livermore (class time TBD)

Credit: 10 (up to 30 with Co-op\*) (2 trimesters)

College Credit: Up to 6 credits at Las Positas College - CSU transferable elective

Fulfills a-g: "g" elective – History/Social Science

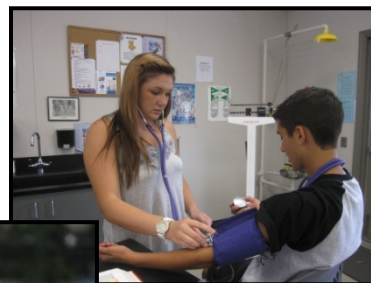
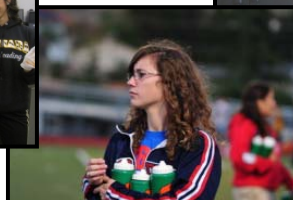
Learn the process of starting and managing a business. Students with an entrepreneurial interest learn skills related to organization, planning, research, effective decision making, and goal setting. Students develop comprehensive business plans including research & development of ideas, product planning, operation, finance and marketing. Students learn how marketing, management, social responsibility, ethics and communication all play an important part in business success. Students will gain practical experience by managing a student-run business. Students will also receive training in constructing resumes, employment applications, cover letters and references, in addition to interviewing skills. Students will complete a career portfolio to prepare for entry into the job market with a competitive edge. Business concepts and leadership skills are reinforced through co-curricular participation in the Career and Technical Student Organization, DECA\*\*. DECA is an integral component to this program and provides additional focus for developing written and oral presentation skills, as well as leadership, social and professional skills that will build self-confidence for college and career success.

**This course is articulated with Las Positas College and each student may receive college credits with a grade of "B" or better for each semester or trimester.**

*\*Economics of Business Ownership is cooperative (co-op) work-based learning classes, in which the curriculum is directly associated with on-the-job experience. Students receive variable co-op credits based on the number of "on-the-job" hours worked. Students are encouraged to work 10-15 hours per week at teacher approved sites in the Tri-Valley geographical area with their current job, or employment leads and guidance will be provided. Students can earn 1 credit for every 18 hours they work, up to 10 credits per semester. A job is required for earning the additional credits, and students must provide their own transportation.*

*\*\*DECA, [www.deca.org](http://www.deca.org), prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management. DECA offers the opportunity for students to participate in competitive events throughout the year, in a variety of locations at local, state and international levels. Students will also have the opportunity to receive recognition, awards and scholarships. DECA is endorsed by the United States Department of Education and the California Department of Education.*

### **Health Science and Medical Technology**



### **MEDICAL OCCUPATIONS**

Location: Granada  
Credit: 25 – Granada (5 trimesters - TM1 2<sup>nd</sup> period, TM2 / TM3 2<sup>nd</sup> & 3<sup>rd</sup> periods)  
20 – Amador, Dublin, Foothill and Livermore (1 year—1:05 – 3:05pm)  
Internship: *Community Classroom (unpaid) Clinical Internship is a required component of the program and students must provide their own transportation. (Additional units may be earned)*

Requirements for Clinical: TB Clearance (two separate TB tests, one to two weeks apart), current immunization record, CPR training (CPR Adult/Child/Infant) These prerequisites must be completed prior to the first day of school with the exception of the flu shot (required for all students per hospital policy) administered in October.

College Credit: 3 credits at Las Positas - CSU transferable elective  
4 credits at Chabot - CSU transferable elective

Medical Occupations provides introduction and exploration into the medical field. Students are instructed with a focus on career areas such as medical assisting, emergency medicine, sports medicine, veterinary medicine, dental assisting/hygienist, geriatric assistant, pharmacy technician, physical therapy, surgical technician and nursing. After completion of the course, students are eligible to take the California certification exam for Medical Assistants and become a California Certified Medical Assistant—Administrative (CCMA-A).

Students are placed in instructor approved clinical internships at local medical facilities. *Clinical internships require that students provide their own transportation. Student uniform required (navy blue scrub top and navy blue scrub pants/slacks). Identification badge and lanyard provided by Tri-Valley ROP. This course is articulated with Las Positas College and each student may receive college credits with a grade of “B” or better for each semester or trimester.*

***NOTE:*** *Spring orientation is required to become enrolled in the program and must be attended by the student and parent(s).*

### **NURSING CAREERS**

Location: Foothill (12:39 p.m. – 2:26 p.m.)  
Credit: 20 (1 year)  
Internship: *Community Classroom (unpaid) Clinical Internship is a required component of the program and students must provide their own transportation.*

Requirements for Clinical: TB Clearance (two separate TB tests, one to two weeks apart), current immunization record, CPR training (CPR Adult/Child/Infant) These prerequisites must be completed prior to the first day of school with the exception of the flu shot (required for all students per hospital policy) administered in October.

College Credit: Credit By Exam at Chabot

Alternative Graduation Credit: 10 Life Science (PUSD only)

An introduction to a career in the field of Nursing where overall job opportunities are expected to be excellent. Studies include a basic understanding of the systems of the body with associated medical terminology and diseases, basic patient care, taking vital signs, charting, medical ethics as well as understanding patient privacy laws. Learn about the various nursing specialties while studying the care of patients and the role nurses provide in a variety of healthcare settings. Activities include instructor approved internships at local hospitals, clinics and physician offices.

*Work site facility health care prerequisites include CPR, immunization records and TB clearance for clinical internships. Clinical internships require that students provide their own transportation and be available 1:00 p.m. – 5:00 p.m. during the weekdays for community classroom/internship*

*scheduling. This course is articulated with Chabot College and each student may receive college credits with a grade of “B” or better for each semester.*

***NOTE:*** *Spring orientation is required to become enrolled in the program and must be attended by the student and parent(s).*

### **PRINCIPLES OF THE BIOMEDICAL SCIENCES**

Location: Dublin  
Credit: 10 (1 year)  
Location: Granada  
Credit: 10 (2 trimesters)  
Fulfills a-g: “d” Lab Science`

Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person’s life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. **This course is designed for 9th -11th grade students.**

### **SPORTS MEDICINE / ATHLETIC TRAINER**

Location: Amador, Dublin, Foothill, Granada (class times TBD)  
Credit: 15 (1 year)  
Location: Granada  
Credit: 15 (2 trimesters)  
Fulfills a-g: “g” elective – Science-Biological  
Internship: *90 hours of Community Classroom (unpaid) Internship is a required component of the program and students must provide their own transportation as necessary. **Up to 5 additional units may be earned – 1 unit for every 18 hours of internship beyond the required 90 hours.***

Sports medicine/athletic training is an exciting, growing field with employment opportunities in athletic training, sports medicine, and physical therapy aide. Units include anatomy and physiology, medical terminology, Kinesiology (*interrelationship of the physiological processes and anatomy of the human body with respect to movement*), classification, assessment and prevention of injuries, modalities and procedures, rehabilitation, nutrition, pharmacology, safety factors related to sports medicine and training room procedures.

## **Marketing, Sales, and Service**

### **COSMETOLOGY**

Location: Dublin Beauty College: Tu – Fri: 1:00 – 4:30pm  
**plus Sat 8:00am – 4:30pm**  
Credit: 45 (1.5 years course) (includes summer vacation / holidays - total 1600 hours)  
Recommend: *Summer start in junior year. Cost of completing the program will be the responsibility of the student upon high school graduation.*  
Early graduate: Tri-Valley ROP may fund students with documented financial hardship through the end of the 2011-12 school year if funding is available. Positive attendance must be demonstrated for consideration.



Learn the beautification of the hair, skin and nails. Units include giving shampoos, scalp treatments, hair styling, permanent waving, manicuring, highlighting and hair coloring. Understand the history of beauty culture with an emphasis on concepts, current techniques and customer care. Instruction is designed to qualify students for the California Board of Barbering and Cosmetology licensing examination. \*Tri-Valley ROP offers this class through Dublin Beauty College, a private institution. Professional kit (\$775 plus tax) and uniform are required. Saturday class attendance is required. \*\*NOTE: A student must be 17 years of age to take the California State examination and be licensed.

### **INTRODUCTION TO SPORTS AND ENTERTAINMENT MARKETING**

Location: Livermore (class time TBD)  
Credit: 5 (up to 10 with Co-op\*) (1 trimester)

Learn what it takes to have a career in sports and entertainment marketing. Learn and understand marketing concepts and strategies focused on sports and entertainment; discover the elements of professional, college and amateur sports and the related sports products; plan and utilize marketing research; develop promotion and marketing materials for sports and entertainment events; and improve leadership skills through co-curricular participation in the Career and Technical Student Organization, DECA\*\* DECA is an integral component to this program and provides additional focus for developing written and oral presentation skills, as well as leadership, social and professional skills that will build self-confidence for college and career success.

*\*Introduction to Sports and Entertainment Marketing is cooperative (co-op) work-based learning classes, in which the curriculum is directly associated with on-the-job experience. Students receive variable co-op credits based on the number of "on-the-job" hours worked. Students are encouraged to work 10-15 hours per week at teacher approved sites in the Tri-Valley geographical area with their current job, or employment leads and guidance will be provided. Students can earn 1 credit for every 18 hours they work, up to 5 credits per semester. A job is required for earning the additional credits, and students must provide their own transportation.*

### **MARKETING**

Location: Amador, Dublin, Foothill (class times TBD)  
Credit: 10 (up to 30 with Co-op\*) (1 year)  
Location: Granada, Livermore (class times TBD)  
Credit: 10 (and up to 30 with Co-op\*) (2 trimesters)  
College Credit: Up to 6 credits at Las Positas College –  
CSU transferable elective



Learn about the field of marketing and the vast career opportunities within this industry. Explore areas such as market research, product development, pricing, promotion, distribution, personal selling, visual merchandising, presentation and project management through a variety of hands-on projects. Bring your ideas and creativity! Students receive training in constructing resumes, employment applications, cover letters and references, in addition to interviewing skills. Students will complete a career portfolio to prepare for entry into the job market with a competitive edge. Marketing concepts and leadership skills are reinforced through co-curricular participation in the Career and Technical Student Organization, DECA\*\*. DECA is an integral component to this program and provides additional focus for developing written and oral presentation skills, as well as leadership, social and professional skills that will build self-confidence for college and career success.

**This course is articulated with Las Positas College and each student may receive college credits with a grade of “B” or better for each semester or trimester.**

## **SPORTS AND ENTERTAINMENT MARKETING**

Location: Amador (2:13 p.m. – 3:07 p.m.)

Credit: 10 (up to 30 with Co-op\*) (1 year)

Learn what it takes to have a career in sports and entertainment marketing. Learn and understand marketing concepts and strategies focused on sports and entertainment; discover the elements of professional, college and amateur sports and the related sports products; plan and utilize marketing research; develop promotion and marketing materials for sports and entertainment events; and improve leadership skills through co-curricular participation in the Career and Technical Student Organization, DECA\*\*. Students have the opportunity for internships with professional sports and entertainment organizations. DECA is an integral component to this program and provides additional focus for developing written and oral presentation skills, as well as leadership, social and professional skills that will build self-confidence for college and career success.

*\*Marketing & Sports and Entertainment Marketing are cooperative (co-op) work-based learning classes, in which the curriculum is directly associated with on-the-job experience. Students receive variable co-op credits based on the number of "on-the-job" hours worked. Students are encouraged to work 10-15 hours per week at teacher approved sites in the Tri-Valley geographical area with their current job, or employment leads and guidance will be provided. Students can earn 1 credit for every 18 hours they work, up to 10 credits per semester. A job is required for earning the additional credits, and students must provide their own transportation.*

*\*\*DECA, [www.deca.org](http://www.deca.org), prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management. DECA offers the opportunity for students to participate in competitive events throughout the year, in a variety of locations at local, state and international levels. Students will also have the opportunity to receive recognition, awards and scholarships. DECA is endorsed by the United States Department of Education and the California Department of Education.*

## **Public Services**



## **CRIMINAL JUSTICE**

Location: Dublin (1:45 p.m. – 2:40 p.m.)

Credit: 10 (1 year)

College Credit: 3 credits at Las Positas College – UC/CSU transferable elective

Learn about career opportunities in law enforcement. Understand the background, duties, necessary skills, and the day-to-day responsibilities of a peace officer. Information will be provided concerning other career opportunities in law enforcement, such as Cadet Programs, Law Enforcement Technicians, Community Service Officers, and Dispatchers. **PLEASE NOTE:** *There will be no physical or weapon training activities in this class. This course is articulated with Las Positas College and each student may receive college credits with a grade of "B" or better for each semester.*

### **CRIME SCENE INVESTIGATION / CRIMINAL JUSTICE**

Location: Amador, Foothill (class times TBD)

Credit: 10 (1 year)

Location: Livermore (class time TBD)

Credit: 15 (3 trimesters)

College Credit: 6 credits at Las Positas College – UC/CSU transferable elective

\*NOTE: Earn 6 units of college credit by successfully completing the one-year course.

This course of instruction will provide students with a strong overview of Law Enforcement as a career. The student will obtain a general understanding of the Criminal Justice System and the many career opportunities available, including but not limited to Police Officer, Lawyers, and Correctional Personnel. They will gain an understanding of the importance of evidence for Crime Scene Investigation and how evidence is used in the Criminal Justice System. Both objectives will be tied together using mock crime scenes for evidence gathering and analysis, mock trials, and other practical exercises. An emphasis is placed on presenting information in a clear, concise manner, both verbally and in writing. By becoming proficient in the skills taught in this course, students will have the ability to both decide if Law Enforcement is the career for them and help them obtain employment. **This course is articulated with Las Positas College and each student may receive college credits with a grade of “B” or better for each semester or trimester.**

### **Transportation**



### **AUTO COLLISION REPAIR AND REFINISHING I**

Location: Livermore

Credit: 15 (3 trimesters – class time TBD) - Livermore High Students

Credit: 20 (1 year – 1:05 – 3:05 p.m.) - Amador, Dublin, Foothill, Granada students  
10 - Evening session (priority given to continuing and currently enrolled students)

Summer: 10-20 (class time TBD)

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

This program is being reorganized with the addition of a new water-based paint booth. Examine the world of auto collision repair and refinishing, and learn industry skills necessary for a successful career in the field. Learn to straighten and repair auto bumper covers, replace panels and prep for paint, rebuild and repaint auto bodies, straighten metal, mig weld, and detail cars. Identify auto body damage and the relationship to cost estimation.

### **AUTO COLLISION REPAIR AND REFINISHING II**

Location: Livermore

Credit: 15 (3 trimesters) - Livermore High Students (class times TBD)  
Credit: 20 (1 year – 1:05 – 3:05 p.m.) – Amador, Dublin, Foothill, Granada students  
10 - Evening session (priority given to continuing and currently enrolled students)

Summer: 10-20 (class time TBD)

**Prerequisite:** Auto Collision Repair and Refinishing I

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

This program is being reorganized with the addition of a new water-based paint booth. Study advanced topics and projects in auto collision repair and refinishing, such as skills required for color matching to industry specifications. Learn to identify frame damage and methods of repair & measuring. Acquire proficiencies in shop management, team leadership, and business principles.

### **AUTOMOTIVE SPECIALIST**

Location: Livermore (1:00 – 2:45 p.m.)

Credit: 20 (1 year)

College Credit: 3 credits at Las Positas College - CSU transferable elective

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

This course is hands-on course in automotive education. Learn employer desired shop practices and advanced automotive theory used in the industry. Students will learn automotive skills, safety, the use of service publications, and develop technical knowledge in all areas of the vehicle. Gain skills in tire repair, changing and high-speed tire balancing, brake and wheel bearing inspection; measuring and repairing, and front and four-wheel alignment. Additional units include lubrication, cooling, electrical, and ignition systems. The topics covered in more depth are steering and suspension, brakes, electrical, maintenance, engine diagnostics and repair, rear axle, automatic transmissions, and emission controls. Understand good business practices for the business owner, practice test preparation and procedures for Automotive Service Excellence (ASE) certification, and learn the benefits of gaining ASE certifications. Students may work on their own or family automobile with approval of instructor. **This course is articulated with Las Positas College and each student may receive college credits with a grade of “B” or better for all semesters/trimesters.**

### **DO-IT-YOURSELF AUTOMOTIVE SERVICE**

Location: Livermore (class time TBD)

Credit: 5 (1 trimester)

*Material/Lab fee charges may apply for cost of items taken home, such as items fabricated by students, or for replacement of lost items assigned to a student.*

Whether you want to learn about car care and safety to be a better consumer and operator or you are thinking about entering an automotive career area, this class is for you. You will learn about safe vehicle ownership, vehicle maintenance requirements, how to perform basic automotive service as well as what questions to ask when getting your vehicle serviced or repaired. Discover what sources will provide free information about vehicle maintenance and learn your legal resources and recourses.



# Tri-Valley Regional Occupational Center/Program

## **BOARD MEMBERS**

Amy Miller, Dublin  
Jamie Hintzke, Pleasanton  
Bill Dunlop, Livermore  
Neil Davies, Sunol

## **COORDINATING COUNCIL**

Cindy Alba, Livermore  
Molleen Barnes, Sunol  
Cindy Galbo-Lorimer, Pleasanton  
Bryce Custodio, Dublin

## **ROP ADMINISTRATIVE OFFICE TEAM**

\*Diane Centoni, Superintendent  
\*Shay Galletti, Coordinator  
\*Jorja Ivie, Director  
\*Fred Rutledge, Principal

*\* administrative leadership team member*

Leah Cleveland, Administrative Assistant  
Anna Lisa Hutchinson, Support Specialist  
Susan Pereira, Support Specialist  
Jane Turton, Secretary I/Attendance SRJ  
Susan Moreno, CASAS Assessment SRJ

## **CAREER GUIDANCE AND COUNSELING TEAM**

Ginny McGaha, Counselor, Student Services  
TBD, Career Education Specialist, Dublin High School  
Paula-Ann Cabading, Career Education Specialist, Foothill High School  
Danielle Mintz, Career Education Specialist, Granada High School  
Caryl Shill, Career Education Specialist, Livermore High School  
Deborah Walker, Career Education Specialist, Amador Valley High School

## **INSTRUCTIONAL TEAM**

Elvin Alvino	Alyce Ford-Gilbert	Hugh Logan	Sarah Palmer
Laurie Andrews	Shay Galletti	Amy Lopez	Karen Pape
Ray Busch	Floyd Gill	Lynnette Marshall	Lisa Pong
Kimberly Connors	Diana Hasenpflug	Karen McMahan	Tami Raaker
Sandee Drapeau	Elicia Jacobs	Nancy McNeil	Dawn Scanlon
Mitch Eason	Noreen Johnson	Denise Merlin	Brett Shapiro
Nancy Emley	Kateri Jones	Jim Miles	Mechiel Taylor
Laurie Erceg	Carolyn Kellams	Debbie Nelson	Beth Walters
Leora Feeney	Dave Lang	DeElla Nelson	Terry Williams
Randy Fewel	Ed LeCara	Allan Owens	Ed Woodworth