

TRI-CITIES ROP

PREPARES STUDENTS FOR COLLEGE AND CAREERS

2023-2024

CLASS SCHEDULE AND
COURSE CATALOG



10800 Ben Avon St. Unit E, Whittier, CA 90606
P: 562-698-9571 Office Hours: M - F 7:30 - 4:00
www.tricitiesrop.org





MISSION STATEMENT

Tri-Cities ROP prepares students for college AND careers by offering excellent career-technical education leading to employment, industry certification, or post-secondary education.



ADMINISTRATIVE OFFICE

10800 Ben Avon Street, Building E


Whittier, California 90606

 (562) 698-9571

HOURS OF OPERATION

Monday - Friday
7:30 A.M. - 4:00 P.M.

ADULT REGISTRATION HOURS

 On-line 24/7
@ www.tricityrop.org

PARTICIPATING DISTRICTS & HIGH SCHOOLS

EL RANCHO UNIFIED SCHOOL

El Rancho High School
El Rancho Education Center
Ruben Salazar High School

WHITTIER UNION HIGH SCHOOL DISTRICT

California High School
Frontier High School
La Serna High School
Pioneer High School
Santa Fe High School
Whittier High School



GOVERNING BOARD OF TRUSTEES

Dr. Teresa Merino, President (ERUSD)

Mr. Kevin Jamero, Clerk (WUHSD)

Mr. Jaime Lopez, Member (WUHSD)

Ms. Esther Mejia, Member (ERUSD)

Mr. Gary Mendez, Member (WUHSD)

Dr. John J. Smith, Superintendent



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TRI-CITIES REGIONAL OCCUPATIONAL PROGRAM (TCROP)

2023 - 2024

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(562) 698-9571



www.tricityrop.org

ABOUT US

"Prepares Students for College AND Careers"



What is ROP?

Regional Occupational Programs (ROPs) are one of the longest standing forms of postsecondary career preparedness in California. The intent of the ROP structure is to provide a hands-on learning experience through Career and Technical Education (CTE) curriculum for students (16 and older) and adults with entry-level career and technical training. These courses prepare students for careers and further education, as well as to instill workplace values that will enable them to compete successfully in the economy of today and the future.

Why Take Courses At Tri-Cities ROP?

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

How Do I Register For 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.tricitiesrop.org

What Is The Cost?

ROP is free to high school students.

Are There Any Other Costs?

Some of our courses may have additional costs for uniforms, protective equipment, or medical costs.

What Is An Articulation?

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

Are High School AND College Credits Available?

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

What Is A Community Classroom?

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

Is Business Involved? Over 300 local employers participate on ROP advisory committees to keep training current with industry standards. Many classes offer non-paid internships or on-the-job training at businesses and industry sites throughout the county. Employers who need highly skilled, motivated employees hire ROP graduates!





SUPERINTENDENT'S MESSAGE

Welcome to Tri-Cities Regional Occupational Program (TCROP)! Since 1974, Tri-Cities ROP has offered students a variety of high-quality Career Technical Education (CTE) classes at high school campuses located in the El Rancho Unified School District and the Whittier Union High School District. Classes offered by TCROP are courses that are in high demand and lead to employment, industry certification, and/or post-secondary education. TCROP prepares both high school and adult students for a wide range of careers in a variety of occupations.



Dr. John J. Smith, Superintendent of
Tri-Cities ROP

Additionally, Tri-Cities ROP also offers a number of support services to students to assist them in meeting their specific educational goals. The focus on student preparation for College AND Career is one of our highest priorities at TCROP. We partner and collaborate with our local community colleges – Rio Hondo College and Cerritos Community College – to ensure that our curriculum matches those offered in the technical areas at the community college level. This collaboration often results in articulation agreements which may lead to students receiving credit for college-level course work on their individual transcripts prior to graduating from high school, thus saving time and money on post-secondary education.

Our dedicated ROP teachers provide a comprehensive and relevant curriculum leading to student success. They are fully credentialed by the State of California and, because they have years of industry experience in their respective fields of study, they bring high-performing content to each class curriculum. Our students pursue their education with great interest in some of the finest learning environments. We are proud to share the 2023-2024 ROP course catalog with you. Be sure to visit our website at www.tricitiesrop.org to learn more about Tri-Cities ROP and the exciting courses we offer. Have a great school year!

Sincerely,



TRI-CITIES ROP

Career Technical Education

STUDENT SERVICES TEAM 2023-2024



El Rancho High School
Salazar High School

Mayra Campos

College and Career Pathways Advisor

mcampos@tricitiesrop.org
(562) 320-1761
7:30a.m. - 4:00p.m.
Lunch 11:30a.m. - 12:00p.m.



Whittier High School

Alyssa Cabral

College and Career Pathways Advisor

acabral@tricitiesrop.org
(562) 781-9402
7:30a.m. - 4:00p.m.
Lunch 11:30a.m. - 12:00p.m.



La Serna High School
Frontier High School

Jacqueline Ramirez

College and Career Pathways Advisor

jramirez@tricitiesrop.org
(562) 321-0569
7:30a.m. - 4:00p.m.
Lunch 11:30a.m. - 12:00p.m.



Pioneer High School

Elsa Gonzalez Cabral

College and Career Pathways Advisor

ecabral@tricitiesrop.org
(562) 328-3723
7:30a.m. - 4:00p.m.
Lunch 11:30a.m. - 12:00p.m.



Santa Fe High School

Jonathan Olmedo

College and Career Pathways Advisor

jolmedo@tricitiesrop.org
(562) 322-7978
7:30a.m. - 4:00p.m.
Lunch 11:30a.m. - 12:00p.m.



California High School

David Belis

College and Career Pathways Advisor

dbelis@tricitiesrop.org
(562) 325-7290
7:30a.m. - 4:00p.m.
Lunch 11:30 a.m. - 12:00p.m.

Student Services Team

COLLEGE AND CAREER PATHWAY ADVISORS

Support Services Provided

- TCROP CTE Pathways Advisement
- TCROP After School Enrollment
- Career Exploration
- Job Skills Preparation & Workshop
- Resume Preparation & Workshop
- Employment Preparation
- Financial Aid & Colleges Support
- CTE Pathway Guest Speakers

CAREER TECHNICAL EDUCATION COUNSELOR

Support Services Provided

- Post-Secondary Transition Planning
- CTE College Exploration & Planning
- CTE Career Exploration & Planning
- Financial Aid & College Support
- Life After High School Workshop
- Portfolio Workshop
- Personal Self-Assessments

ADDITIONAL SUPPORT MEMBERS

*Candice Marsano, WBL &
Pathway Coordinator,
cmarsano@tricitiesrop.org*

*Dorian Escamilla
Rio Hondo Counselor,
descamilla@tricitiesrop.org
(562) 536-4455*



SCAN TO ENROLL IN TCROP AFTER SCHOOL INTEREST LIST



MEET OUR RIO HONDO COUNSELOR

Dorian Escamilla

Mr. Escamilla is Tri-Cities ROP's dedicated counselor from Rio Hondo Community College to support students in ERUSD and WUHSD who may transition from their CTE pathway in high school to the community college.

Career Planning

- Identify Industry Trends
- Obtaining Industry Certifications and Skills
- Identifying Education requirement for specific careers
- Choosing a College Major

College

- Choosing the best College for your major
- Understanding and Preparing for the College Culture
- College Application
 - Orientation
 - Assessment Tool
 - Educational Tool

Financial Aid

- Financial Aid Workshops
- FSA ID
- FAFSA Application
- Promise Grant Scholarships
- Cal/Pell Grant
- DREAM Act

Workshops

- How to Earn a degree
- Rio Hondo CTE Information
- Self-Care
- Success Strategies
- Time Management



(562) 563-4455

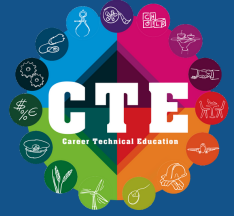


Email: descamilla@riohondo.edu



TRI-CITIES

REGIONAL OCCUPATION PROGRAM



STUDENT LEARNING OUTCOMES

Upon successful completion, Tri-Cities ROP students will:

- **Effectively Communicate – Listen, speak and write clearly to understand and be understood.**
- **Practice Problem-solving and critical-thinking skills.**
- **Develop skills to transition into postsecondary career technical education or the workplace.**



2023 - 2024 Community-Based Classes

Open to WUHSD & ERUSD Students
(Transportation Not Provided)

 www.tricitiesrop.org



AFTER-SCHOOL



HEALTH SCIENCE & MEDICAL TECHNOLOGY

FALL/SPRING

DENTAL ASSISTANT

Prepare for employment as a chair-side dental assistant. Learn to provide preventive, supportive, restorative, and interceptive services for patients and related office and laboratory procedures. Students who successfully complete the program will earn Radiation Safety and Infection Control Certificates recognized by the Dental Board of California. Includes American Heart CPR training. Students must participate in work-based learning in a dental office to complete course. Students will participate in a 120-hour summer externship program.

*Student Externship, Location & Time: TBD by Instructor

| DAY/TIME | DURATION | LOCATION | INSTRUCTOR | HOURS |
|---------------------------------|----------------------|-----------------------------------------------|------------|------------|
| Tues. & Thurs. 3:30 - 6:30PM | 8/22/23 - 5/30/24 | Pioneer High School, ROP Dental Room | Mr. Chavez | 300 |

Classes do not meet on: 9/4/23, 11/10/23, 11/20/23-11/24/23 (Thanksgiving), 12/22/23-1/16/24 (Winter Recess), 2/12/24, 2/19/24, 3/25/24 - 3/29/24 (Spring Break), 4/1/24, 5/27/24. **Clinical will be held 6/10/24 - 6/28/24 for 120 hours. Clinical hours must be completed to receive all certifications.**

PREREQUISITE: Completion of ROP Medical Core class with a grade of "C" or better. Open to **high school Juniors & Seniors only**.

NURSE ASSISTANT PRE-CERTIFICATION

Prepare to take the California Department of Public Health State Exam to become a licensed CNA. Learn patient care, infection control, observation, and communication skills with an emphasis on caring for the geriatric resident in a long-term care facility. Clinical site training is a requirement of this class and is available to eligible students.

REQUIRED: Negative TB test, current COVID-19 and flu vaccination. Background check. Social Security Card or ITEN, Valid California State ID or Driver License.

*Student Externship, Location & Time: TBD by Instructor

| DAY/TIME | DURATION | LOCATION | INSTRUCTOR | HOURS |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------|------------|------------|
| *FALL 2023 8/21/23 - 12/13/23 Mon. & Wed. 3:45 - 8:00PM | *FALL 2023 8/22/22 - 12/14/22 Tues. & Thurs. 3:45 - 8:00PM | El Rancho Education Center (EREC), Room 9 & 10 | Ms. Brooks | 162 |
| *SPRING 2024 1/17/24 - 5/22/24 Mon. & Wed. 3:45 - 8:00PM | *SPRING 2024 1/16/24 - 5/23/24 Tues. & Thurs. 3:45 - 8:00PM | | | |

Classes do not meet on: 9/4/23, 11/10/23, 11/20/23-11/24/23 (Thanksgiving), 2/12/24, 2/19/24, 3/25/24 - 3/29/24 (Spring Break), 4/1/24.

* **Saturday Class (Hours TBD): FALL - 9/2/23, 9/9/23, 9/23/23, 9/30/23, 12/2/23, 12/9/23, 12/16/23**

SPRING SATURDAYS - Dates TBD

PREREQUISITE: Completion of ROP Medical Core class with a grade of "C" or better. Open to **high school Juniors & Seniors only**.

SATURDAY CLASS

PUBLIC SERVICES

FALL/SPRING

ADMINISTRATION OF JUSTICE ACADEMY

Learn about our legal system including penal and vehicle code laws, patrol, interview, and arrest procedures, crime scene photography, evidence collection, and courtroom testimony. Classroom instruction along with role-playing scenarios and academy style training in physical fitness and agility prepares students for a law enforcement academy, explorer program, or a career related to public services or the administration of justice system and for further training at post-secondary institutions in the public services area.

| DAY/TIME | DURATION | LOCATION | INSTRUCTOR | HOURS |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------|------------|
| Saturday 8:00AM - 4:00PM plus *Wednesday meetings below | FALL 2022 9/9/23 - 12/13/23 SPRING 2024 1/13/24 - 5/8/24 | Whittier High School, Room - W2 | Lieutenant Todd (Lead) | 150 |

Classes do not meet on: 11/11/23, 11/25/23, 2/17/24, 3/23/24, 3/30/24.

***Wednesday Class (5-9PM): FALL - 10/4/23, 11/1/23, 11/8/23.**

SPRING - 5/8/24.

PREREQUISITE: Open to **all** high school students.

Scan to
view
courses!



2023 - 2024 Community-Based Classes

 www.tricitiesrop.org

Open to **ADULTS Only**
(Transportation Not Provided)



ADULTS / SATURDAY CLASS

 **Adult Students** 

HEALTH SCIENCE & MEDICAL TECHNOLOGY

FALL/SPRING

CNA Continuing Education Units \$50 per class

- *Patient Care Skills: Skin Care.....8/12/23
- *Care of Patients with Dementia.....9/9/23
- *Cardio Vascular System Disorders.....10/14/23
- *Caring for Diabetic Patients.....11/11/23
- *Musculoskeletal System Disorders.....12/9/23
- *Respiratory System Disorders.....1/13/24
- *Urinary System Disorders.....2/17/24
- *Gastrointestinal System Disorders.....3/16/24

| DAY/TIME | DATES | LOCATION | INSTRUCTOR | HOURS |
|-------------------------------------|------------------------------------|--------------------------------------|------------|----------------------------|
| Saturday 8:00AM - 12:00PM | See left side for listing of dates | Pioneer High School, ROP Dental Room | Mr. Farol | 4 hours of CEU's per class |

PREREQUISITE: Bring your CNA Certification and Picture I.D. to every class.



ADULTS / WEEKDAYS CLASS

DENTAL ASSISTANT **\$1,500**

Prepare for employment as a chair-side dental assistant. Learn to provide preventive, supportive, restorative, and interceptive services for patients and related office and laboratory procedures. Students who successfully complete the program will earn Radiation Safety, Infection Control, and HIPAA Certificates recognized by the Dental Board of California. Includes American Heart CPR training. Students must participate in work-based learning in a dental office to complete course.

*Student Externship, Location & Time: TBD by Instructor

| DAY/TIME | DURATION | LOCATION | INSTRUCTOR | HOURS |
|------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------|------------|----------------------------------------|
| *FALL 2023 9/5/23 - 2/9/24 M - TH 9:30 - 12:30PM | *SPRING 2024 2/13/24 - 6/28/24 M - TH 9:30 - 12:30PM | Pioneer High School, ROP Dental Room | Mr. Chavez | 320 instruction & externship |

PREREQUISITE: Negative TB Test, current influenza and Hep B vaccinations and COVID-19 protocols. Background check will be given. All students are required to have a valid CA ID & SS card. **HOLIDAYS:** see below for all specific dates.

NURSE ASSISTANT PRE-CERTIFICATION **\$1,500**

Prepare to take the California Department of Public Health State Exam to become a licensed CNA. Learn patient care, infection control, observation, and communication skills with an emphasis on caring for the geriatric resident in a long-term care facility. Clinical site training is a requirement for this class.

*Student Externship, Location & Time: TBD by Instructor

| DAY/TIME | DURATION | LOCATION | INSTRUCTOR | HOURS |
|--------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------|------------|------------|
| *FALL 2023 10/5/23 - 12/20/23 M - TH 1:00 - 5:00PM | *SPRING 2024 2/5/24 - 5/6/24 M - TH 1:00 - 5:00PM | El Rancho Education Center (EREC), Room 9 & 10 | Mr. Farol | 162 |

PREREQUISITE: Negative TB Test, current influenza and Hep B vaccinations and COVID-19 protocols. Background check will be given. All students are required to have a valid CA ID & SS card. **HOLIDAYS:** see below for all specific dates.

HOLIDAYS: 9/4/23, 11/10/23, 11/20/23-11/25/23 (Thanksgiving), 12/22/23-1/16/24 (Winter Recess), 1/15/24, 2/12/24, 2/19/24, 3/27/24-3/31/24 (Spring Break) 5/27/24



CALIFORNIA HIGH SCHOOL

Bill Schloss, Principal

Shana Jones, Assistant Principal of Curriculum

Aaron Downing, Assistant Principal of Guidance

Arts, Media, and Entertainment

| Course # | Design, Visual, and Media Arts Pathway (111) | Instructor | Period |
|-----------------------------|----------------------------------------------|------------------|-------------|
| TCROP: 61035 WUHSD: 8019 | Digital Photography I (f) | Whetstone T-3 | 1,2,3,4,5,6 |
| TCROP: 61036 WUHSD: 8067 | Digital Photography II (f Honors) | Whetstone T-3 | 3,4 |

Building and Construction Trades

| Course # | Cabinetry, Millwork, and Woodworking Pathway (120) | Instructor | Period |
|-----------------------------|----------------------------------------------------|--------------|---------|
| TCROP: 69012 WUHSD: 8104 | Carpentry | Lee O-102 | 2,3,4,6 |
| TCROP: 69013 WUHSD: 8105 | Woodworking Machine Operation | Lee O-102 | 5 |

Health Science and Medical Technology

| Course # | Patient Care Pathway (198) | Instructor | Period |
|-------------------------------|-----------------------------------|--------------|--------|
| TCROP: 63004 WUHSD: 8041A2 | Foundations in Health Science (g) | Gould Q-7 | 3,5 |
| TCROP: 63051 WUHSD: 8049A2 | Emergency Medicine (g) | TBD Q-7 | 1,2 |
| TCROP: 63010 WUHSD: 8028A2 | Nurse Assistant Pre-Certification | Farol Q-1 | 3,4 |
| TCROP: 63060 WUHSD: 8013 | Sports Medicine I (g Honors) | TBD Q-7 | 0 |

Hospitality, Tourism, and Recreation

| Course # | Food Service and Hospitality Pathway (201) | Instructor | Period |
|-----------------------------|--------------------------------------------|---------------|--------|
| TCROP: 64030 WUHSD: 8050 | Foods & Hospitality (g) | Buhain A-2 | 2 |

Transportation

| Course # | Systems Diagnostics and Service Pathway (221) | Instructor | Period |
|-------------------------------------------|-----------------------------------------------|--------------------------|-------------|
| TCROP: 67027 WUHSD: 8040 | ASE Certification | Buttinelli N-10 & Q-5 | Afterschool |
| TCROP: 67020 WUHSD: 8044 | Automotive Technology I (g) | Buttinelli N-10 & Q-5 | 1,2,3 |
| TCROP: 67025 WUHSD: 8043A4 & 8045A4 | Automotive Technology II (g Honors) | Buttinelli N-10 & Q-5 | 4,5,6 |



EL RANCHO HIGH SCHOOL

Kendal Goyenaya, Principal
 Shirley Lugo, Assistant Principal of Curriculum
 Marla Diaz, Assistant Principal of Guidance

Building and Construction Trades

| Course # | Residential and Commercial Construction Pathway (123) | Instructor | Period |
|------------------------------|-------------------------------------------------------|-----------------------|---------|
| TCROP: 69010 ERUSD: AT510 | Construction Technology I (g) | Jennrich X-7 & X-8 | 1,2,4,6 |
| TCROP: 69011 ERUSD: AT511 | Construction Technology II (g) | Jennrich X-7 & X-8 | 3 |

Health Science and Medical Technology

| Course # | Patient Care Pathway (198) | Instructor | Period |
|-------------------------------|-----------------------------------|-------------------|-----------|
| TCROP: 63003 ERUSD: SC447 | Foundations in Health Science (g) | McCaw Y-3 | 2,3,4,5,6 |
| TCROP: 63010 ERUSD: SC466B | Nurse Assistant Pre-Certification | Brooks 9 & 10 | 5,6 |
| TCROP: 63003 ERUSD: SC444 | Medical Core (g) | Ross Sp Med Rm | 2,4 |
| TCROP: 63060 ERUSD: AT418 | Sports Medicine I (g Honors) | Ross Sp Med Rm | 1,3,5 |

Hospitality, Tourism, and Recreation

| Course # | Food Service and Hospitality Pathway (201) | Instructor | Period |
|------------------------------|--------------------------------------------|-------------|--------|
| TCROP: 64033 ERUSD: AT500 | Culinary Arts I (f) | Luna Q-4 | 4,5,6 |
| TCROP: 64035 ERUSD: AT501 | Culinary Arts II (f) | Luna Q-4 | 2 |
| TCROP: 64036 ERUSD: AT503 | International Cuisine (g) | Luna Q-4 | 3 |



LA SERNA HIGH SCHOOL

Griselda Castro, Principal

Damaris Flores Donate, Assistant Principal of Curriculum

Jennifer Medina, Assistant Principal of Guidance

Arts, Media, and Entertainment

| Course # | Production and Managerial Arts Pathway (113) | Instructor | Period |
|------------------------------|----------------------------------------------|----------------|--------|
| TCROP: 999902 WUHSD: 8084 | Commercial Photography (f) | Fox L-102 | 2 |
| TCROP: 61030 WUHSD: 8012 | Video Production I (f) | Knaak N-100 | 5 |
| TCROP: 61031 WUHSD: 8011 | Video Production II (f) | Knaak N-100 | 1 |

Business and Finance

| Course # | Business Management Pathway (182) | Instructor | Period |
|------------------------------|-----------------------------------|---------------------|--------|
| TCROP: 65080 WUHSD: 8057 | Computer Careers (g) | Fitzgerald N-100 | 3 |
| TCROP: 999901 WUHSD: 8085 | Business Photography (f) | Fox L-102 | 3 |
| TCROP: 65073 WUHSD: 8065 | Virtual Enterprise (g) | Fitzgerald N-100 | 4 |

Health Science and Medical Technology

| Course # | Patient Care Pathway (198) | Instructor | Period |
|-----------------------------|------------------------------|----------------|--------|
| TCROP: 63060 WUHSD: 8013 | Sports Medicine I (g Honors) | Abell K-105 | 4 |

Public Services

| Course # | Public Safety Pathway (232) | Instructor | Period |
|-----------------------------|--------------------------------------|----------------|---------|
| TCROP: 67032 WUHSD: 8055 | Forensic Science(d) | Lewis R-103 | 2,3,5,6 |
| TCROP: 67030 WUHSD: 8035 | Administration of Justice (g Honors) | Lewis R-103 | 4 |



PIONEER HIGH SCHOOL

Mary Chapman, Principal
Samuel Sanford, Assistant Principal of Curriculum
Xaxier Diaz, Assistant Principal of Guidance

Arts, Media, and Entertainment

| Course # | Design, Visual, and Media Arts Pathway (111) | Instructor | Period |
|-----------------------------|----------------------------------------------|----------------|--------|
| TCROP: 67015 WUHSD: 8075 | Digital Design I (f) | Snyder L-13 | 3,4,6 |
| TCROP: 67016 WUHSD: 8079 | Digital Design II (f) | Snyder L-13 | 2,5 |

Building and Construction Trades

| Course # | Residential and Commercial Construction Pathway (123) | Instructor | Period |
|-----------------------------|-------------------------------------------------------|---------------|---------|
| TCROP: 69010 WUHSD: 8039 | Construction Technology I (g) | Ortiz L-12 | 1,2,3,5 |
| TCROP: 69011 WUHSD: 8092 | Construction Technology II (g) | Ortiz L-5 | 4 |

Business and Finance

| Course # | Financial Services Pathway (180) | Instructor | Period |
|-----------------------------|----------------------------------|----------------|-----------|
| TCROP: 8122 WUHSD: 62050 | Personal Finance | Mojica L-E2 | 2,3,4,5,6 |

Health Science and Medical Technology

| Course # | Patient Care Pathway (198) | Instructor | Period |
|-----------------------------|-------------------------------------------------------------------|-------------------|--------|
| TCROP: 63003 WUHSD: 8042 | Medical Core (g) | Bedolla D-11 | 1,2,4 |
| TCROP: 63001 WUHSD: 8099 | Medcore II Patient Care/ Health Science & Medical Terminology (g) | Chavez E-Bldg. | 5 |
| TCROP: 63005 WUHSD: 8101 | Emergency Medicine (g) | Bedolla D-11 | 3,5 |
| TCROP: 63100 WUHSD: 8005 | Dental Assistant (g Honors) | Chavez E-Bldg. | 6 |



SANTA FE HIGH SCHOOL

Craig Campbell, Principal
Paul Wise, Assistant Principal of Curriculum
Lillian Vasquez, Assistant Principal of Guidance

Education, Child Development, and Family Services

| Course # | Education Pathway (132) | Instructor | Period |
|-----------------------------|-------------------------|----------------|--------|
| TCROP: 67030 WUHSD: 8010 | Careers in Education | Vasquez J-7 | 2 |

Engineering and Architecture

| Course # | Engineering Design Pathway (152) | Instructor | Period |
|-----------------------------|----------------------------------|----------------|--------|
| TCROP: 67080 WUHSD: 8095 | Drafting & Design (g) | Griffie R-5 | 2,6 |
| TCROP: 67081 WUHSD: 8096 | Advanced Drafting & Design (g) | Griffie R-5 | 4 |

Health Science and Medical Technology

| Course # | Patient Care Pathway (198) | Instructor | Period |
|-----------------------------|----------------------------|--------------|---------|
| TCROP: 63001 WUHSD: 8042 | Medical Core (g) | Blake J-6 | 1,2,4,5 |
| TCROP: 63005 WUHSD: 8101 | Emergency Medicine (g) | Blake J-6 | 3 |

Public Services

| Course # | Public Safety Pathway (232) | Instructor | Period |
|-----------------------------|--------------------------------------|---------------|-----------|
| TCROP: 67032 WUHSD: 8055 | Forensic Science (d) | Cabral B-2 | 1,2,3,4,5 |
| TCROP: 67030 WUHSD: 8035 | Administration of Justice (g Honors) | Cabral B-2 | - |

Multiple Industry Sector

| Course # | Multiple Industry Sector (999) | Instructor | Period |
|-----------------------------|--------------------------------|----------------|--------|
| TCROP: 62060 WUHSD: 8066 | Career Planning and Management | Vasquez J-7 | 4,6 |



WHITTIER HIGH SCHOOL

Timothy Liggett, Principal

Allison Huntley, Assistant Principal of Curriculum

Alecia Gonzales, Assistant Principal of Guidance

Arts, Media, and Entertainment

| Course # | Design, Visual, and Media Arts Pathway (111) | Instructor | Period |
|----------------------------|----------------------------------------------|--------------------|--------|
| TCROP: 61035 WUHS: 8019 | Digital Photography I (f) | Fassbinder H-13 | 1,5 |
| TCROP: 65078 WUHS: 8017 | Graphic Design I (f) | Fassbinder H-13 | 2,3 |
| TCROP: 65079 WUHS: 8020 | Graphic Design II (f) | Fassbinder H-13 | 4 |

Engineering and Architecture

| Course # | Engineering Technology Pathway (153) | Instructor | Period |
|------------------------------|--------------------------------------------------------------|----------------|--------|
| TCROP: Pending WUHS: 3281 | CAT 2 - Engineering Design Cardinal Academy of Technology | Swanson V-1 | 2 |
| TCROP: Pending WUHS: 3282 | CAT 3 - Mechatronics Cardinal Academy of Technology | Swanson V-1 | 4 |

Health Science and Medical Technology

| Course # | Patient Care Pathway (198) | Instructor | Period |
|----------------------------|------------------------------|---------------|--------|
| TCROP: 63003 WUHS: 8042 | Medical Core (g) | Torres Q-5 | 1,2,3 |
| TCROP: 63060 WUHS: 8013 | Sports Medicine I (g Honors) | Torres Q-5 | 4 |

Hospitality, Tourism, and Recreation

| Course # | Food Service and Hospitality Pathway (201) | Instructor | Period |
|----------------------------|--------------------------------------------|------------------|---------|
| TCROP: 64033 WUHS: 3037 | Culinary Arts I (f) | Martinez MN-2 | 2,4,5,6 |
| TCROP: 64035 WUHS: 3040 | Culinary Arts II (f) | Martinez MN-2 | 3 |

Transportation

| Course # | Systems Diagnostics and Service Pathway (221) | Instructor | Period |
|----------------------------|-----------------------------------------------|----------------|---------|
| TCROP: 67020 WUHS: 8044 | Automotive Technology I (g) | Miranda S-1 | 2,3,5,6 |
| TCROP: 67025 WUHS: 8006 | Automotive Technology II (g Honors) | Miranda S-1 | 4 |

TCROP College & Career Pathways Advisor: Alyssa Cabral | (562) 781-9402 | acabral@tricitiecrop.org



FRONTIER HIGH SCHOOL

Dr. Margie Moriarty, Principal
Richard Rodriguez, Assistant Principal of Curriculum

Arts, Media, and Entertainment

| Course # | Design, Visual, and Media Arts Pathway (111) | Instructor | Period |
|-----------------------------|----------------------------------------------|--------------|--------|
| TCROP: 67015 WUHSD: 8075 | Digital Design I (f) | Senar 404 | 1-5 |
| TCROP: 67016 WUHSD: 8079 | Digital Design II (f) | Senar 404 | TBD |

TCROP College & Career Pathways Advisor: Jacqueline Ramirez | (562) 321-0569 | jramirez@tricitiecrop.org



RUBEN SALAZAR HIGH SCHOOL

David Sermeno, Principal
Arianne Martinez, Counselor

Health Science and Medical Technology

| Course # | Patient Care Pathway (198) | Instructor | Period |
|----------------------------|----------------------------|-------------|--------|
| TCROP: 63003 ERUSD: 444 | Medical Core (g) | Rojas 29 | 6,7,8 |

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TCROP College & Career Pathways Advisor: Mayra Campos | (562) 320-1761 | mcampos@tricitiecrop.org



2023 - 2024 TRI-CITIES ROP COURSE INDEX BY SECTOR



1. Arts, Media, and Entertainment

| Course # | Design, Visual, and Media Arts Pathway (111) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|----------------------------|----------------------------------------------|---------|-------|---------|-------|-------|------|--------|
| Course # | Graphic Design (Sub-Pathway 111A) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
| TCROP: 67015 WUHS: 8075 | Digital Design I (111A) | 7211 | f | 10 | 180 | Con | N | Y |
| TCROP: 61035 WUHS: 8019 | Digital Photography I (111A) | 7211 | f | 10 | 180 | Con | N | |
| TCROP: 65078 WUHS: 8017 | Graphic Design I (111A) | 7211 | f | 10 | 180 | Con | N | Y |
| TCROP: 67016 WUHS: 8079 | Digital Design II (111A) | 7212 | f | 10 | 180 | Cap | N | Y |
| TCROP: 61036 WUHS: 8067 | Digital Photography II (111A) | 7212 | f (H) | 10 | 180 | Cap | N | Y |
| TCROP: 65079 WUHS: 8020 | Graphic Design II (111A) | 7212 | f | 10 | 180 | Cap | N | Y |
| Course # | Production and Managerial Arts Pathway (113) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
| Course # | Film /Video Production (Sub-Pathway 113B) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
| TCROP: 99902 WUHS: 8084 | ROP Commercial Photography (113B) | 7243 | f | 10 | 180 | Intro | N | |
| TCROP: 61030 WUHS: 8012 | Video Production I (113B) | 7244 | f | 10 | 180 | Con | N | |
| TCROP: 61031 WUHS: 8011 | Video Production II (113B) | 7245 | f | 10 | 180 | Cap | N | |



2. Building and Construction Trades

| Course # | Residential and Commercial Construction Pathway (123) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|---------------------------------------------|-------------------------------------------------------|---------|------|---------|-------|-----|------|--------|
| TCROP: 69010 WUHS: 8039 ERUSD: AT510 | Construction Technology I | 7341 | g | 10 | 180 | Con | N | |
| TCROP: 69011 WUHS: 8092 ERUSD: AT511A | Construction Technology II | 7342 | g | 10 | 180 | Cap | N | |
| Course # | Cabinetry, Millwork, and Woodworking Pathway (120) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
| TCROP: 690012 WUHS: 8104 | Carpentry | 7311 | g | 10 | 180 | Con | N | |
| TCROP: 69013 WUHS: 8105 | Woodworking Machine Operation | 7312 | g | 10 | 180 | Cap | N | |



3. Business and Finance

| Course # | Multiple Pathways (999) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|----------------------------|-----------------------------------|---------|------|---------|-------|-------|------|--------|
| TCROP: 65080 WUHS: 8057 | Computer Careers | 7400 | g | 10 | 180 | Intro | N | |
| Course # | Business Management Pathway (182) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
| TCROP: 99901 WUHS: 8085 | Business Photography | 7410 | f | 10 | 180 | Con | N | |
| TCROP: 65073 WUHS: 8065 | Virtual Enterprise | 7412 | g | 10 | 180 | Cap | N | |
| Course # | Financial Services Pathway (180) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
| TCROP: 62050 WUHS: 8122 | Personal Finance | 7420 | g | 10 | 180 | Con | N | |



2023 - 2024 TRI-CITIES ROP COURSE INDEX BY SECTOR



4. Education, Child Development, & Family Services

| Course # | Education (132) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|----------------------------|----------------------|---------|------|---------|-------|-----|------|--------|
| TCROP: 67030 WUHS: 8010 | Careers in Education | 7530 | | 10 | 180 | Con | N | |



5. Engineering and Architecture

| Course # | Engineering Design Pathway (152) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|------------------------------|----------------------------------------------------------------|---------|------|---------|-------|-----|------|--------|
| TCROP: 67080 WUHS: 8095 | Drafting and Design | 7730 | g | 10 | 180 | Con | N | |
| TCROP: 67081 WUHS: 8096 | Advanced Drafting & Design | 7731 | g | 10 | 180 | Cap | N | |
| Course # | Engineering Technology Pathway (153) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
| TCROP: pending WUHS: 3281 | Engineering Design - Cardinal Academy of Technology (CAT 2) | 7720 | | 10 | 180 | Con | N | |
| TCROP: pending WUHS: 3282 | Mechatronics - Cardinal Academy of Technology (CAT 3) | 7721 | | 10 | 180 | Cap | N | |



6. Health Science and Medical Technology

| Course # | Patient Care Pathway (198) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|----------------------------------------------|------------------------------------------------------------------|---------|-------|---------|-------|-----|------|--------|
| TCROP: 63003 WUHS: 8041A2 ERUSD: SC447 | Foundations in Health Science | 7921 | g | 10 | 180 | Con | N | Y |
| TCROP: 63002 WUHS: 8099 | Medcore II Patient Care/Health Science and Medical Technology | 7921 | g | 10 | 180 | Con | N | |
| TCROP: 63001 ERUSD: SC447 WUHS: 444 | Medical Core | 7921 | g | 10 | 180 | Con | N | Y |
| TCROP: 63100 WUHS: 8005 | Dental Assisting | 7922 | g (H) | 10 | 320 | Cap | Y | |
| TCROP: 63102 WUHS: 8100 | Dental Assistant II Career Preparation | 7922 | g | 10 | 180 | Cap | Y | |
| TCROP: 63051 WUHS: 8101 ERUSD: SC445 | Emergency Medicine | 7922 | g | 10 | 180 | Cap | Y | Y |
| TCROP: 63010 WUHS: 8027 ERUSD: SC466 | Nurse Assistant Pre-Certification | 7922 | | 10 | 160 | Cap | Y | |
| TCROP: 63060 WUHS: 8013 ERUSD: AT418 | Sports Medicine I | 7922 | g (H) | 10 | 180 | Cap | Y | Y |



7. Hospitality, Tourism, and Recreation

| Course # | Food Service and Hospitality Pathway (201) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|--------------------------------------------|--------------------------------------------|---------|------|---------|-------|-----|------|--------|
| TCROP: 64033 ERUSD: AT500 WUHS: 3037 | Culinary Arts I | 8020 | f | 10 | 180 | Con | | |
| TCROP: 64035 ERUSD: AT501 | Culinary Arts II | 8021 | f | 10 | 180 | Cap | | |
| TCROP: 64030 WUHS: 8050A5 | Foods & Hospitality | 8021 | g | 10 | 180 | Cap | | |
| TCROP: 64036 ERUSD: AT503 | International Cuisine | 8021 | g | 10 | 180 | Cap | | |



2023 - 2024 TRI-CITIES ROP COURSE INDEX BY SECTOR



9. Marketing Sales and Services

| Course # | Multiple Pathways (999) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|------------------------------|-----------------------------|---------|------|---------|-------|-----|------|--------|
| TCROP: 62100 ERUSD: AT407 | Marketing Sales and Service | 8300 | | 5 | 90 | Con | N | Y |



10. Public Services

| Course # | Public Safety Pathway (232) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|----------------------------|-----------------------------------|---------|-------|---------|-------|-----|------|--------|
| TCROP: 67030 WUHS: 8035 | Administration of Justice | 8411 | g (H) | 10 | 180 | Cap | N | Y |
| TCROP: 67031 WUHS: 8051 | Administration of Justice Academy | 8412 | | 10 | 180 | Cap | N | |
| TCROP: 67032 WUHS: 8055 | Forensic Science | 8412 | d | 10 | 180 | Con | N | Y |



11. Transportation

| Course # | Systems Diagnostics and Service Pathway (221) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|---------------------------------------------|-----------------------------------------------|---------|-------|---------|-------|-----|------|--------|
| TCROP: 67024 WUHS: 8118 | Alternative Fuels I | 8531 | | 10 | 180 | Con | | |
| TCROP: 67029 WUHS: 8120 | Alternative Fuels II | 8532 | | 10 | 180 | Cap | | |
| TCROP: 67020 WUHS: 8044/A4 | Automotive Technology I | 8531 | g | 10 | 180 | Con | N | Y |
| TCROP: 67025 WUHS: 8043/A4 WUHS: 8006 | Automotive Technology II | 8532 | g (H) | 10 | 180 | Cap | N | Y |
| TCROP: 67031 WUHS: 8051 | ASE Certification | 8532 | | 20 | 360 | Cap | Y | |
| TCROP: 67024 WUHS: 8107 | Electronics in Automotive | 8531 | | 10 | 180 | Con | N | |

12. Multiple Industry Sectors

| Course # | Multiple Industry Sector (999) | CALPADS | UCOP | Credits | Hours | Des | Cert | Artic. |
|----------------------------|--------------------------------|---------|------|---------|-------|------|------|--------|
| TCROP: 62060 WUHS: 8066 | Career Planning & Management | 7000 | | 10 | 180 | Exp. | N | |

"Prepares Students for College AND Careers"

COURSE DESCRIPTIONS



Arts, Media, and Entertainment



Commercial Photography (f)

YL UC

Prerequisites: None

Description: Students will learn the world of Commercial Photography through lecture and guest speakers. Students will be exposed to photographers working in, and photographic works demonstrating various strands of Commercial Photography such as: advertising; architectural and interior; event; fashion; food; journalism; portrait; product and sports photography. Students will discuss and evaluate, how history, culture, and technology have influenced Commercial Photography.

Digital Design I (f)

YL AC UC

Prerequisites: None. This course fulfills district "Digital Literacy" requirements.

Description: Digital Design I students learn the skills needed to develop a broad perspective of art, design, communication theory, processes and tools and their applications in Digital Design. Students will apply design elements and principles to projects such as print media publications and digital media. Students will also explore the trends in the global field of design and its application in print, product, and environmental realms. Students will understand the impact of the arts and design throughout history, various cultures and theory such as elements and principles of design to enhance their artistic vision and style. Through design projects, students will develop problem-solving skills, artistic perception, critical thinking, and self-reflection. Learning and using current versions of industry-standard software and programs will provide students with a professional environment and the associated responsibilities as graphic designers. Digital Design I also includes the history and developments of major industry processes, printing, application, layout, and design as it pertains to a variety of substrates; environmental considerations and restrictions.



Digital Design II (f)

YL AC UC

Prerequisites: Successful completion of Digital Design I with a 70% or better is required. This course fulfills district "Digital Literacy".

Description: Digital Design II builds on the knowledge and skills gained in Digital Design I. Students will participate in groups, think analytically, and create digital design products. Through hands-on and performance-based assignments and strategies, students develop industry-related foundational and advanced concepts and skills such as understanding the processes and systems common to careers in visual and image analysis, publishing, printing, and other forms of media distribution as well as the pathway to pursue employment, certification, or post-secondary degree in the field of digital arts, advertising design, and marketing. Students will engage in contemporary and historical practices in the creative field through a series of personal and creative activities, as well as develop an understanding of the cognitive marketing and branding solution for a given product, whether it is a commodity, a political idea, an instrument of social change, or an effort to recruit patronage or participation.

Digital Photography I (f)

YL UC

Prerequisites: None. This course fulfills district "Digital Literacy" requirements

Description: Digital Photography I students will study the sensory, formal, expressive and aesthetic properties of photographic art and will closely examine the history and development of photography. Students will be able to link photography to other art forms and disciplines and will understand its applications to industry-related careers. Students will learn the terminologies and techniques of black and white and color photographic production with digital cameras, as well as the making of photographic prints and enlargements and the mounting and display of finished work. The course teaches students to work with more technically-advanced photographic equipment including specialized lighting, digital processes and professional software. Students will concentrate on the development of a distinctive personal style, will pursue individual interests, and learn to critically evaluate their work. Throughout the course, the students will study the history of photography and analyses of notable photographers. Students will be able to link photography to diverse disciplines and professions.

COURSE DESCRIPTIONS

"Prepares Students for College AND Careers"



Arts, Media, and Entertainment - cont.

Digital Photography II (f)

YL AC UC

Prerequisites: Successful completion of Digital Photography I with a 70% or better is required.

Description: The Digital Photography II course picks up where Digital Photography I left off, by utilizing similar but advanced photo skills and software for graphic and image manipulation to create commercial graphic products and aesthetic fine art images, while promoting technological and visual literacy. Students will create advanced products geared towards non-profit clients, using image and text strategies for projects such as graphic and poster design, manipulating found and created imagery, and to work with visual narrative strategies using photojournalist techniques that address both personal as well as public themes of identity, place, and community. The first semester will focus on creating and developing photographic imagery through advanced photographic techniques to be used in a variety of ways from pure aesthetic images to commercial production. The second semester will further develop these skills by combining photographic imagery with graphic design and textual elements for a variety of authentic, real-world projects.

Graphic Design I (f)

YL AC UC

Prerequisites: This course fulfills district "District Literacy" requirements.

Description: Graphic Design I will explore trends in the global field of design and its application in print, product, and environment. Students will understand the impact of the arts and design throughout history and various cultures. They will learn methods and theory such as elements and principles of design to enhance their artistic vision and style. Through design projects students will develop problem-solving skills, artistic perception, critical thinking, and self-reflection. Art critiques and presentations will provide opportunities for students to grow as artists. Learning and using current versions of industry standard software and programs will provide students with a professional environment and the associated responsibilities as graphic designers. Graphic Design I also includes the history and developments of major industry processes, printing, application, layout, and design as it pertains to a variety of substrates; environmental considerations and restrictions; as well as the legal restrictions as they relate to the field of Graphic Design and intellectual property as a whole.

Graphic Design II (f)

YL AC UC

Prerequisites: Successful completion of Graphic Design I with a 70% or better is required.

Description: Graphic Design II provides students with an in-depth understanding of principles, theories, and elements of design. Students will be committed to lifelong learning as they grow individually, participating in groups, think analytically, create artistic products, and contribute to the production of a major project. Through repeated assignments and strategies, students develop and reinforce academic and industry-related foundational and advanced concepts and skills such as understanding the processes and systems common to careers in visual and image analysis, publishing, printing, and other forms of media distribution as well as the pathway to pursue a post-secondary degree in the field of graphic arts, advertising design, and marketing. Students will engage in contemporary and historical practices in the creative field through a series of personal and creative activities, as well as develop an understanding of the cognitive marketing and branding solution for a given product, whether it is a commodity, a political idea, and instrument of social change, or an effort to recruit patronage or participation.



COURSE DESCRIPTIONS

"Prepares Students for College AND Careers"



Arts, Media, and Entertainment - cont.

Video Production I (f)

YL UC

Prerequisites: None. This course fulfills district "Digital Literacy" requirements.

Description: Video Production I provides students with a project-based learning. Students will be provided with technical instruction and practical experiences for aspiring video and film makers in the production of film, video, and new media projects for business and entertainment. Students experience both the creative and technical aspects of filmmaking in conjunction with learning about historical and contemporary traditions and conventions. Students are instructed on the three stages of project creation. In pre-production, students learn the basic principles of story development, screenplay writing, storyboarding, scheduling, and budget planning. Instruction in the production stage includes basic visual composition, color theory, set up and operation of a camera, sound and lighting equipment. Students learn to use cutting-edge software applications for video and audio post-production. Mastering and delivery methods, in both traditional and new media, are explored.

Video Production II (f)

YL UC

Prerequisites: Successful completion of Video Production I with a 70% or better is required.

Description: Video Production II further builds on the knowledge gained in Video Production I. Students will complete hands-on training in in filmmaking and advanced digital video skills. Emphasis will be placed on refining advanced skills and techniques including planning, producing, directing, editing, and performing for video. Team and individual productions will be created. Additionally, students will have opportunities to work with school teams, clubs, and industry professionals in order to produce work to specifications.

Building and Construction Trades



Carpentry (g)

YL UC

Prerequisites: None

Description: This competency-based course is the second in a sequence of three designed for carpentry. It provides students with technical instruction and practical experience in construction carpentry using sustainable and green technology. Instruction includes an introduction, workplace safety, reviews of resource management and employability skills, trade mathematics, the use/maintenance/storage of tools, and construction materials. Emphasis is placed on reading and interpreting plans, sketches, and blueprints, construction layout, floor and wall construction, exterior and interior finishes, and stair construction.

Construction Technology I (g)

YL UC

Prerequisites: None

Description: Construction Technology I provides instruction and training in construction and construction-related occupations, including construction, remodeling, and maintenance and repair of buildings and structures. Instructional and practical experience includes blueprint reading, basic plumbing, electrical, masonry, concrete, flooring, drywall, carpentry, insulation, exterior design, and roofing. Course instruction also includes the safe use of hand and power tools, installation of plumbing and electrical fixtures, the use of squaring and leveling tools, and safety and job-readiness training for entrance into the construction and construction-related occupations.

Construction Technology II (g)

YL UC

Prerequisites: Successful completion of Construction Technology I with a 70% or better is required.

Description: Construction Technology II provides further instruction and training in construction and construction-related occupations, remodeling, and maintenance and repair of buildings and structures. Instructional and practical experience includes blueprint reading, basic plumbing, electrical, masonry, concrete, flooring, drywall, carpentry, insulation, exterior design, and roofing. Course instruction also includes the safe use of hand and power tools, installation of plumbing and electrical fixtures, the use of squaring and leveling tools, and safety and job-readiness training for entrance into the construction and construction-related occupations.

Woodworking Machine Operation

YL

Prerequisites: None

Description: This competency-based course is the last in a sequence of three designed for carpentry. It provides students with technical instruction and practical experience in woodworking machine operation using sustainable and green technology. Instruction includes an introduction, workplace safety, reviews of resource management and employability skills, trade mathematics, the use/maintenance/storage of woodworking tools, machines, and equipment, an overview of the apprenticeship program, and basic entrepreneurial skills. Emphasis is placed on surface preparation, lacquer application, lamination construction, high-pressure laminations, estimation, and production techniques.



COURSE DESCRIPTIONS

"Prepares Students for College AND Careers"



Business and Finance



Business Photography (f)

YL UC

Prerequisites: Completion of Introduction to Photography is recommended.

Description: Students will learn the world of Business Photography through lecture and guest speakers. Students will be exposed to photographers working in, and photographic works demonstrating, various strands of Business Photography such as advertising; architectural and interior; event; fashion; food; journalism; portrait; product; and sports photography. Students will discuss and research how the strands have changed over time and what has influenced these changes. Students will discuss and evaluate, how history, culture, and technology have influenced Business Photography.

Computer Careers (g)

YL UC

Prerequisites: None.

Description: Computer Careers prepares students for entry-level jobs in information and communication technology careers. Students will be introduced to all, and be able to explore two, of the following careers: Administrative Assistant, Internet/Web Support Technician, Technology Support Technician, Graphic Designer, Computer Programming Assistant, and/or Network Technician. Instruction includes lecture, demonstrations and hands-on work. Evaluation is competency based. Students may have an opportunity to gain exposure of a computer career through workplace learning.

Virtual Enterprise (g)

YL UC

Prerequisites: Teacher approval required to enroll.

Description: Virtual Enterprise is a simulated business that is set up and run by students to prepare them for working in a real business environment. Students determine the nature of their business, its products and services, its management and structure, and learn the daily operations of a business under the guidance of a consultant and a real business partner. Emphasis is on use of current business software and the Internet for business transactions. Principles of economics as applied to business organization are evident throughout the course. Students learn the principles of micro and macroeconomics in preparation for working in a real business environment. Students study supply and demand, the Federal Reserve System, taxation by federal, state and local entities, the stock market and international transactions. Students determine the nature of a business, its products and services, the organizational structure, and practice the daily operations of a business. They use current business software and the Internet for business transactions. The focus is on basic economic principles, and business operations. Students compete against other schools across California and the nation with their business plan, marketing plan, catalogue, Human Resources, and other aspects of running their virtual business.

Personal Finance

YL

Prerequisites: None.

Description: Personal Finance introduces students to the financial world through the study of income and wealth; financial institutions, how business raise capital; and study key investment-related terms and concepts. Students learn the history of how banking practices evolved and how businesses operate, grow, and thrive in our ever-changing world. This course includes principles on how to make good personal financial decisions and will cover major functions of financial institutions. Related topics in this course include modern trends in the finance industry, credit functions, loan creation, debt collection, and stocks and bonds. Students will learn the importance of integrity and professional ethics in business relationships; and the tools effective leaders use to instill an ethical workplace culture.

Education, Child Development & Family Services



Careers in Education

YL

Prerequisites: None.

Description: Careers in Education prepares students for professional or learning support positions in education, prekindergarten through grade twelve. Students study human development; standards, regulations, and codes; positive guidance and counseling techniques; age-appropriate and grade-appropriate learning strategies; learning theories; and standards-based curriculum and instructional design.

Engineering and Architecture



Advanced Drafting and Design (g)

YL UC

Prerequisites: Teacher approval required to enroll.

Description: This course is the capstone course in a 3-level program of architectural design and drawing. Students use their prior knowledge and research skills to first design, draw, and build a model inspired by ancient Roman architecture. Next, they will produce a residential project of their own creation. Implementing the design process, students start with programming for a "client" and then using sketching skills and ultimately 3-D computer program based drawing skills to develop and present their final designs for critique.



COURSE DESCRIPTIONS

"Prepares Students for College AND Careers"



Engineering and Architecture - cont.

Drafting and Design (g)

YL UC

Prerequisites: None.

Description: Computer Aided Design and Drafting is a year course designed to train students to think like an engineer, to improve upon the basic designs of others, to develop 3D prototypes, to develop critical thinking skills, to learn the basic commands of various CAD software programs (Auto CAD, solid works, 3D studio Max, sketch up and others), to visualize 2 –dimensional drawings as 3- dimensional Max, sketch objects and to take 3 dimensional objects and render them as 2 dimensional drawings, to design a full set of architectural plans for a personal residence in accordance with the UBC (Universal Building Code).

Cardinal Academy of Technology 2 (CAT2) - Engineering Design

YL

Prerequisites: None

Description: CAT2 - Engineering Design is a course in the Cardinal Academy of Technology that utilizes engineering design and prototyping in the context of product development, and further in the context of a product lifecycle from its inception until it is ready to be mass manufactured. Relationships between the field of mathematics, science, mechanical design, and technology will be explored. The goal of this course is to get students interested in pursuing a field of study in STEAM upon graduating from high school. The class is designed to introduce students to basic concepts, or advanced, depending upon their levels of expertise, in prototyping, 3-D modeling and printing, CNC manufacturing, graphic design, laser-cutting, and engineering design process from beginning to end. The class will give students the opportunity to work individually and in groups while completing lab projects, while maintaining a digital portfolio and communicating both in-person and virtually. It will also reinforce and improve their reading, writing, listening, and oral presentation skills.

Cardinal Academy of Technology 3 (CAT3) - Mechatronics

YL

Prerequisites: Successful completion of CAT2 – Design Process is recommended.

Description: Mechatronic is a course using the Arduino platform and associated hardware. Relationships between the field of mathematics, science (physics and electrical circuits), mechanical design, and technology will be explored. The goal of this course is to get students interested in pursuing a field of study in STEAM upon graduating from high school. The class is designed to introduce students to basic concepts, or advanced, depending upon their levels of expertise, in robotics, electrical engineering, and mechanical engineering. The class will give students the opportunity to work individually and in groups while completing lab projects.

Health Science and Medical Technology



Dental Assisting

YL

Prerequisites: Successful completion of Medical Core with a 75% or better is recommended.

Description: Dental Assisting is a foundation course that prepares individuals to assist the dentist in the delivery of dental treatment and to function as an integral member of the dental healthcare team while performing chairside assisting and related office and laboratory procedures. The course will combine classroom theory with lab and clinical practice to teach dental terminology, dental science, chairside procedures, and radiology. Students who successfully complete the program will earn a Radiation Safety Certificate and an Infection Control Certificate recognized by the Dental Board of California. Course includes American Heart Association CPR training.

Emergency Medicine (g)

YL UC

Prerequisites: Successful completion of Medical Terminology with 80% or better is required.

Description: This competency-based course is designed to prepare students for entry-level positions into the health care industry. This course provides students with a comprehensive understanding of anatomy, physiology, and pathophysiology of the human body. These concepts are solidifying the foundational knowledge for specific medical emergencies. The course also gives students a genuine context for the application of the knowledge used to help patients in the field. The course begins with basic knowledge of anatomy and physiology, first aid, CPR, and safety practices and ends with a thorough understanding of medical emergencies. The course presents the tools for students to understand the importance of prehospital care and delivers a thorough understanding of the proper use of medical equipment necessary to provide appropriate care.



COURSE DESCRIPTIONS

"Prepares Students for College AND Careers"



Health Science and Medical Technology - cont.

Foundations in Health Science (g)

YL AC UC

Prerequisites: This is the prerequisite course to all Medical Capstone classes.

Description: Foundations in Health Science is designed to give students an overview into the health science and medical technologies industry and the various careers within the industry. Students will gain strong foundational knowledge in body systems, anatomy, physiology, medical math, and terminology. Other topics covered include infection control, nutrition, legal and ethical principles, and safety/first aid. This is a required introductory course that can lead to other medical pathway courses offered.

Medical Core (g)

YL AC UC

Prerequisites: This is the prerequisite course to all Medical Capstone classes.

Description: Medical Core is designed to give students an overview into the health science and medical technologies industry and the various careers within the industry. Students will gain strong foundational knowledge in body systems, anatomy, physiology, medical math, and terminology. Other topics covered include infection control, nutrition, legal and ethical principles, and safety/first aid. This is a required introductory course that can lead to other medical pathway courses offered.

Medcore II Patient Care/Health Science and Medical Technology (g)

YL UC

Prerequisites: Appropriate for grade levels 11 and 12. This is the prerequisite course to Dental Assistant II Career Preparation.

Description: This course exposes students to the Healthcare industry by surveying the wide spectrum of Healthcare occupations, equipping students with the knowledge and skills that apply to a variety of health occupations. Students will study in length epidemiology, infection control, medical terminology, anatomy with emphasis placed on providing a pathway of coursework in the study of Biotechnology, Pathophysiology, Epidemiology, Patient Communication, Psychological disorders and Pharmacology.

Nurse Assistant - Pre-Certification

YL

Prerequisites: Approval to enroll is required. Successful completion of Medical Core with a 70% or better is required. Prior to Clinical Training: Social Security card, Negative TB tests (2), Flu vaccination, Health Exam form, and a clear background history (no convictions).

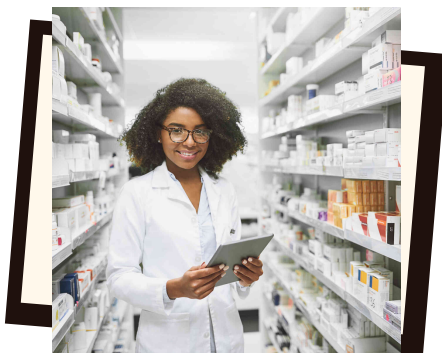
Description: The Nursing Assistant course prepares students to take the California Department of Public Health State Exam. Students will learn patient care, infection control, observation, and communication skills with an emphasis on caring for the geriatric resident in a long-term care facility. Integrated throughout the course are career preparation standards that include basic academic skills, interpersonal skills, problem solving, safety, and technology. Clinical site training is a requirement of this class and is available to eligible students.

Sports Medicine I (g)

YL AC UC

Prerequisites: Successful completion of Medical Core with a 70% or better is required.

Description: Sports Medicine I will engage students in an in-depth study of whole body anatomy and physiology as a basis for understanding the processes involved in injury treatment, management, and healing. Technical instruction includes orientation, safety and infection control, communication and interpersonal skills, academic proficiency, and employability skills. Emphasis is placed on: ethical and legal considerations, pharmacology, sports and therapeutic equipment, nutrition and weight management, physical fitness assessment, physical conditioning, emergency preparedness and assessment, infection control, vital signs assessment, basic life support, injuries to the tissues, injuries to the head and spine, injuries to the chest and abdomen, environmental conditions, medical conditions, taping and wrapping, therapeutic modalities and physical rehabilitation. Hands-on laboratory experiences are an integral part of the course. This course provides students with an opportunity to learn the human anatomy and physiology through the eyes of a sports medicine professional. By using sports and athletics as a vehicle to teach the structure and function of the human body students are better able to identify with the material being taught.



COURSE DESCRIPTIONS

"Prepares Students for College AND Careers"



Hospitality, Tourism, and Recreation



Culinary Arts I (f)

YL UC

Prerequisites: None.

Description: Culinary Arts I is a course designed to introduce students to fundamental food preparation terms, concepts and methods in Culinary Arts where laboratory practice will parallel class work. Fundamental techniques, skills and terminology are covered and mastered with an emphasis on basic kitchen and safety, sanitation, equipment maintenance and operation procedures. Course also provides an overview of the professionalism in the culinary industry and career opportunities leading into a career pathway to Culinary Arts. Obtaining a CA Food Handler's Permit will be required.

Culinary Arts II (f)

YL UC

Prerequisites: Successful completion of ROP Culinary Arts I with 80% or better and have a CA Food Handler's Card is required.

Description: Culinary Arts II is the next course following Culinary I. The focus is centered on Management skills, marketing, advance presentations, menu development, hospitality. The student advances training in kitchen safety and sanitation practices, food terminology and proper measuring while demonstrating more advanced food preparation techniques. Students demonstrate the ability to create a recipe and adjust the yield, also able to explain the benefits of eating a variety of foods from each recommended food group. Students will participate in the planning, costing, preparation, serving, storage and critique of meals in project based learning.

Foods and Hospitality (g)

YL UC

Prerequisites: WUHS: Participation in the Hospitality House Academy at California High School. Negative TB test.

Description: Foods and Hospitality is designed to prepare students for entry level employment in hospitality and food service careers through exploring industry and its relationship to travel and tourism. Students will learn laws and regulations; safety and emergency procedures; sanitation and food handling; banquet operations, facilities management; event planning, customer service and guest relations; food and beverage production, preparation and service; sales and marketing strategies; costing and cost analysis; and entrepreneurship.



International Cuisine (g)

YL UC

Prerequisites: Successful completion of ROP Culinary Arts I with 80% or better and CA Food Handler's Card is required.

Description: International Cuisine is the advanced course in a comprehensive standards-based culinary arts sequence. This course focuses on understanding the differences and commonalities we have with other cultures around the world. A common denominator in studying world cultures is cuisine. In studying the cuisines of a people or a region, we learn about a country's geography and climate, traditions, taboos, and social mores, unique conditions caused by environment of a food supply, pressures on a population to trade, export, import, permit a closed or open society, and cultural values. Students will acquire a greater understanding of their world and the cultural diversity that exists in their own community.

Information and Communication Technologies

Computer Science (d)

YL UC

Prerequisites: None.

Description: Computer Science is a comprehensive curriculum, providing extensive instructional materials and supplemental teaching resources you will need to implement the course while still allowing you the flexibility to customize the content and pacing if you choose to. The course uses an online platform for content delivery, making it easy for students to navigate and use in the classroom while providing the opportunity for anytime, anywhere learning outside the classroom as well.

Web Design (f)

YL UC

Prerequisites: Students should have successfully completed at least one semester of a basic computing class or have equivalent proficiency in basic computer use and Windows operating systems.

Description: This course is designed to develop competency in building and maintaining web sites including critical comparison of web sites, web site development, connectivity, legal issues, and multimedia files. Integrated throughout the course are career preparation standards, which include basic academic skills, communication, interpersonal skills, problem solving, safety, technology, and other employment skills.

COURSE DESCRIPTIONS

"Prepares Students for College AND Careers"



Marketing, Sales, and Services



Marketing, Sales, and Service

YL

Prerequisites: None

Description: This course is designed to develop or improve skills related to entrepreneurship, sales, marketing, and merchandising. Students master business operations through cooperative work experience/community classroom. Training includes work in selling, inventory control, cashiering, display, customer service, and advertising. Students can apply knowledge and skills learned in the classroom to the work environment as well as to gain experience related to a specific career. The goal is to assist students in making the transition from school to work by providing hands-on, "real world" learning experiences and practical application of classroom theory.

Public Services



Administration of Justice (g)

YL AC UC

Prerequisites: None.

Description: Administration of Justice is designed to expose students to occupations within the criminal justice system and prepare students for college-level criminal justice coursework. Students will explore the criminal justice system through the study of the causes of crime, the U.S. legal system, the organization and role of law enforcement, the judicial system, corrections, and juvenile justice.

Administration of Justice Academy

YL

Prerequisites: Completed or Currently enrolled in an Administration of Justice or Forensic Science class. Completion of physical fitness exam signed by medical doctor with no restrictions (by week two).

Description: This Administration of Justice Academy course is designed to provide the student classroom instruction, role-playing scenarios, and physical fitness training to prepare them for a law enforcement academy, explorer program, or a career in/or relating to public services or the administration of justice system. This course also prepares students for further training at post-secondary institutions in the public services areas.

Forensic Science (d)

YL AC UC

Prerequisites: None. **Recommended:** 11th or 12th grade, ROP Administration of Justice.

Description: Forensic Science is designed to give students both theory and hands-on experience in the skills and knowledge required of a forensic crime scene investigator. Included will be an introduction to crime scene investigation, crime scene photography and diagrams as they are used in a criminal investigation. Also included is the importance of physical evidence in solving crimes, dusting and lifting fingerprints, rolling a 10- print fingerprint card, how to perform a gunshot residue test, methods for collecting and processing various types of evidence and the use of forensic light source technology in crime scene investigations. Emphasized throughout the course is the importance of effective communication and interpersonal skills, professional development, strong academic skills, problem-solving, safety and the use of technology. Academics is an integral part of this course, English, writing and higher level mathematics is emphasized. Integrated throughout the course are Common Core State Standards and Career Technical Education Standards, which include safety, communication, technology, ethics, career planning and other employability skills.

Transportation



Alternative Fuels I

YL

Prerequisites: None

Description: Alternative Fuels is a concentrator course that exposes students to the world of alternative fuels industry. Learning areas of this course consist of history of fuels, diesel and biodiesel, gasoline and ethanol, LNG, CNG, propane, Fuel Cell, hybrid, and electric vehicles.

Alternative Fuels II

YL

Prerequisites: Successful completion of ROP Alternative Fuels I with 70% or better

Description: Alternative Fuels builds the student's knowledge gained in Alternative Fuels I and further enhances their entry-level skill training in hybrid and Electric Vehicle. Learning areas include high voltage systems, safety, electrical tools, electrical circuits and diagrams, electrical systems and troubleshooting, computerized engine controls and operation of special electronic testing equipment. Students who complete the 2-years become eligible to participate in community classrooms and may be placed with an Automotive Dealership as an intern.

COURSE DESCRIPTIONS

"Prepares Students for College AND Careers"



ASE Certification

YL

Prerequisites: Successful completion of Automotive Technology I and/or Automotive Technology II. Instructor approval needed to enroll.

Description: The ASE Student Certification program is specially designed to evaluate and certify students who are near the end of their studies in the areas of Automotive Technology. The National Institute for Automotive Service Excellence (ASE) developed the exams in partnership with Automotive Youth Educational Systems (AYES), National Automotive Technicians Education Foundation (NATEF), and SkillsUSA. The testing program's independent assessment is a particularly valuable tool for instructors and administrators who are working to respond to today's increasing demands for measurable outcomes and accountability. For students, ASE Student Certification can be thought of as the first step in building a career as a service professional by providing them with their first industry-recognized certification through ASE.

Automotive Technology I (g)

YL AC UC

Prerequisites: None.

Description: Automotive Technology I prepares students for employment where a broad skill set and general understanding of all automotive systems are required. Students will identify commonly used tools and equipment, know a variety of sources of service information, and perform basic vehicle service and maintenance related to engine performance, transmissions, suspension and steering, brakes, electrical/electronic systems, heating and air conditioning, and customer service procedures. There is an emphasis on safety in the workplace related to use of protective eye wear/clothing, general lab procedures, use of equipment and ventilation. Worksite learning is an optional component of this class and is available to eligible students.

Automotive Technology II (g)

YL AC UC

Prerequisites: Successful completion of Automotive Technology I at 70% or better is required.

Description: Automotive Technology II builds on the student's knowledge gained in Automotive Technology I and further enhances their entry-level skill training in suspension and steering, electrical/electronic systems, brakes, and engine performance. Learning areas also include engine tune-up, tires, auto cooling, and operation of special electronic testing equipment. Students who complete the additional 2-years of Automotive Academy are eligible to participate in community classroom and may be placed with an Automotive Dealership as an intern.

Electronics in Automotive

YL

Prerequisites: Successful completion of Automotive Technology I at 70% or better is required or approval by the instructor.

Description: Electronics in Automotive builds on the student's knowledge gained in Automotive Technology I and further enhances their entry-level skill training in electrical/electronic systems, related to engine performance. Learning areas also include safety, electrical tools, electrical circuits and diagrams, electrical systems and troubleshooting, computerized engine controls and Hybrid EV systems and operation of special electronic testing equipment. Students who complete the additional 2-years of Automotive Academy are eligible to participate in community classroom and may be placed with an Automotive Dealership as an intern.

Multiple Industry Sectors

Career Planning and Management

YL

Prerequisites: None.

Description: Career Planning and Management is designed to assist student's transition from middle school to high school to post-secondary to career, explore education and career options and create SMART goals for their future. This class prepares students for a successful career by learning the skills needed, academically and socially, to succeed in high school and post-secondary education. Students will assess their personal learning styles and interests while exploring college and careers. The focus is to engage students and provide relevance in academics by covering topics such as: Communication Skills, Technology Literacy, Leadership, People Skills (choices & consequences), Study Skills, Achieving Goals and Time Management. In addition, the development of keyboarding and/or technological skills are covered. Students will leave the class with a college and career plan.





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Tri-Cities ROP Class Schedule & Course Catalog **2023 - 2024**