

College and Career Advantage Career Technical Education



CCA/CTE Enrollment

2016:

5,197

2022:

13,012

CTE MAKES A DIFFERENCE...

91% of high school graduates
who took 2-3 CTE high school
courses, enrolled in college

80% of those students reach
their college goals (degrees,
postsecondary certification)

CTE Facts

The United States is facing a **projected deficit of 6.5 million skilled workers** over the next decade. Some key industries and occupations facing talent shortages include:

- Health care
- Manufacturing
- Infrastructure
- Operations and logistics
- Information technology
- Education

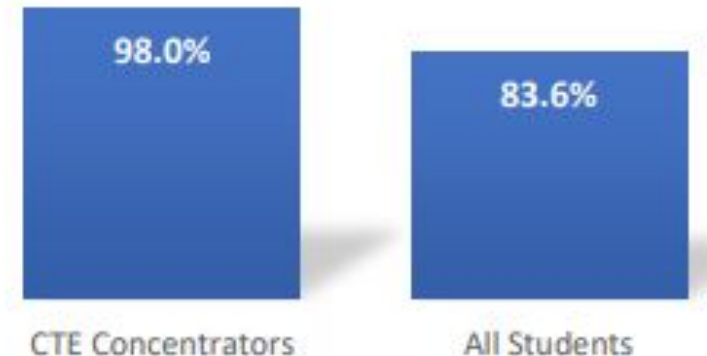
CTE IS GOOD
FOR **STUDENTS**,
GOOD FOR
BUSINESSES
AND GOOD FOR
COMMUNITIES!

Associate degree holders in CTE fields like architecture and engineering, health practitioner, skilled trade and computer occupations can earn more than **\$2 million over their lifetimes**, **up to \$2.8 million** - the same as the median lifetime earnings for workers with bachelor's degrees.

The California economy is experiencing a skills gap...

47% of jobs in California require skills training-more education than high school but less than a four-year degree.

39% of California workers are trained at this level.



Four-year cohort graduation rate in California

CTE Industry Sectors & Pathways



15 Industry Sectors & 58 Pathways

1. Agriculture and Natural Resources
2. Arts, Media, & Entertainment
3. Building & Construction Trades
4. Business & Finance
5. Education, Child Development, & Family Services
6. Energy, Environment, & Utilities
7. Engineering & Architecture
8. Fashion & Interior Design
9. Health Science & Medical Technology
10. Hospitality, Tourism, & Recreation
11. Information & Communication Technologies
12. Manufacturing & Product Design
13. Marketing, Sales, & Services
14. Public Services
15. Transportation

Work-Based Learning Continuum



CAREER AWARENESS

Activities that expose individuals to professionals and information on careers and the skills they require.



CAREER EXPLORATION

Activities that deepen individuals' understanding of a career and some of its specific job functions.



CAREER PREPARATION

Activities that allow individuals to experience and explore work-specific tasks in a specific field.



CAREER TRAINING

Training for employment and/or postsecondary education in a specific range of occupations.

EXPLORATORY LEARNING ABOUT WORK

- Career Event
- Guest Speakers
- Career Interest Assessment
- Conversations & workplace visits with family and friends

INTRODUCTION LEARNING ABOUT WORK

- Industry Field Trips
- Informational Interviews
- Alumni Stories
- Job Shadowing

CONCENTRATOR PREPARE FOR WORK

- Mentorships
- Mock Interviews
- Integrated Projects
- Career and Technical Student Organization Projects

CAPSTONE LEARN THROUGH WORK

- Internships
- Clinical Experience
- Apprenticeship Training Program
- Community Classroom
- Cooperative Work Experience
- Industry Certifications
- Student-led Enterprise

LBUSD Work-Based Learning

Laguna Beach High School & CCA CTE Courses Provide Industry Certifications

Earning Industry Certifications demonstrates our students have mastered certain industry technology, software, or equipment, which is utilized in workplace today. An Industry Certification is based on industry-recognized standards, allowing our students to be more competitive in securing higher-wage, higher-skilled employment.

CTE Course	CTE Pathway	Industry Certification
Art Entrepreneurship	Visual/Commercial Arts	Adobe Certified Assistant
Auto Mechanics	Systems Diagnostics, Service, & Repair	ASE
Auto Technology Honors	Systems Diagnostics, Service & Repair	ASE
Culinary Arts	Food Service & Hospitality	Serve Safe
Dental Assisting	Patient Care	CPR, HIPAA, X-Ray License
Emergency Medical Technician Honors	Emergency Response	CPR, HIPAA, OSHA
Engineering Manufacturing & Technology Honors	Engineering Design	SolidWorks
Fire Science	Emergency Response	CPR, HIPAA
Medical Assisting	Patient Care	CPR, HIPAA
Medical Core Honors	Patient Care	CPR, HIPAA
Medical Hospital Careers Honors	Patient Care	CPR, HIPAA
Pharmacy Clerk	Patient Care	CPR, HIPAA, PT License
Physical Therapy Aide	Patient Care	CPR, HIPAA
Sports Medicine	Patient Care	CPR, HIPAA
Surgical Technologist	Patient Care	CPR, HIPAA, AST

For more information on Industry Certifications, please contact Kellie Shearer, Coordinator, Career Education at kshearer@lbUSD.org or Lynn Gregory, College & Career Specialist, at lgregory@lbUSD.org



Click on icons to visit websites



Career Awareness

Career Exploration

Career Preparation

Career Training



Work-Based
Learning Tech

Industry Partnerships



**ORANGE
COUNTY
REGIONAL
CONSORTIUM**

WORKFORCE
DEVELOPMENT ALLIANCE



Overseeing job seekers, youth and business programs and services.



Click to view the Industry Certifications Infographic



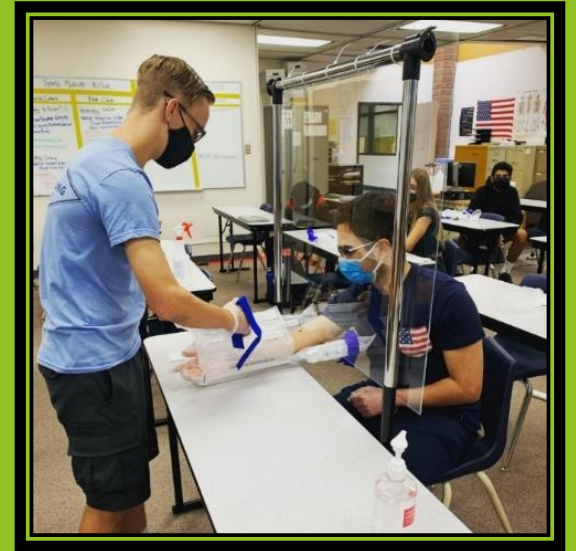
CCA Leads The Way

Over 3,000 high school CTE students are earning college credit!

500+ Business & Industry Partners

- Internships
- Field Trips
- Guest Speakers
- Curriculum Advisors (Annually)

Students earned over 5,900 Industry Certifications



Added Value Courses

Over 108 Courses

362 Sections

31 Different Pathways

41% Articulated, 162 sections

60% Honors, 227 sections

100% CCA UC a-g

Internship Opportunities

Industry Certifications



CTE Course Offerings

- 3D Media Design
- Accounting
- Actors' Repertory
- Architectural Design
- Art of Graphic Design
- Automotive Mechanics
- Automotive Technology
- Aviation Careers
- Biotechnology
- Building and Industrial Trades (BITA)
- Business Mgmt./Entrepreneurship
- Careers in Teaching
- Catering & Event Planning
- Chemical Environmental Engineer
- Cisco IT Essentials
- Cisco Networking
- Commercial Music
- Criminal Psychology
- Culinary Arts
- Cybersecurity
- Dance Production
- Dental Assisting
- Digital Media Art
- Digital Photo
- Drone Operations
- Emergency Medical Resp.
- Emergency Medical Tech
- Engineering Design
- Engineering Design & Dev.
- Engineering Mfg. Technology
- Engineering Principles
- Engineering Mfg. Tech. Adv.
- Environmental Field Study
- E-Sports
- Fashion Design
- Fire Science
- Food Nutrition Entrepreneur
- Foods Around the World
- Forensic Psychology
- Forensic Science
- Game Design
- Graphic Production Tech
- 3D Graphic Design
- Hotel & Hospitality Careers
- Medical Assistant
- Medical Hospital Careers
- Medical Innovation Research (MIRE)
- Medical Terminology
- Medical Core HMO
- Multimedia Design
- Multi Media Design IA
- Pharmacy Technician
- Pharmacy Clerk
- Physical Therapy Aid
- Plant Science
- Programming and Coding
- Rapid Prototype
- Restaurant Management
- Robotics
- Robotics Autonomous Systems
- Robotics Design & Fabrication
- Robotics Fundamentals
- Robotics Systems Integration
- Screenplay To Oscar
- SOCSA Actors Repertory
- SOCSA Actors Repertory 2
- SOCSA Advanced Drama
- SOCSA Commercial Music
- SOCSA Dance Production
- SOCSA Multimedia Design IA
- SOCSA Multimedia Design IB
- SOCSA Stagecraft
- Sound Engineering
- Sports Medicine
- Sports Medicine Advanced
- Stagecraft
- Stagecraft Intro
- Street Law
- Surgical Technician 2
- Surgical Technician Intro
- Technology & Presentation
- Technology Processes
- Theatrical Production
- Trial Law
- TV Broadcast Journalism
- Veterinary Technician
- Virtual Enterprise

Pathways at LBUSD

- ★ Dance/Choreography Pathway
- ★ Emergency Response Pathway
- ★ Engineering Design Pathway
- ★ Graphic Design Pathway
- ★ Patient Care Pathway
- ★ Professional Theatre Pathway
- ★ Systems Programming Pathway
- ★ Visual/Commercial Arts Pathway



LBHS After-School Enrollment in CTE Courses

CAREER TECHNICAL EDUCATION COURSES

Offered at LBHS

- 3D Media Design
- AP Computer Science A
- AP Computer Science Principles
- AP Studio Art 2D Design
- AP Studio Art Drawing
- App Development
- Art Entrepreneurship
- Art Production I
- Art Production II
- Dance Company
- Dance II
- Dance III
- Dance IV
- Engineering Design & Analysis
- Engineering & Manufacturing Technology
- Medical Core
- Multimedia Design
- Multimedia Production
- Musical Theatre
- Theatre I
- Theatre II
- Theatre Performance

To register for classes contact
your High School Counselor

For more information contact:

COLLEGE AND CAREER
ADVANTAGE

WWW.CCADVANTAGE.ORG

(949)234-9464

Laguna Beach High School



After School Classes

- | | |
|--|---|
| <ul style="list-style-type: none"> • Automotive Mechanics • Automotive Technology • Aviation Careers • Business Management & Entrepreneurship • Cybersecurity • Dental Assisting • Emergency Medical Technician • E-sports - NEW • Fashion Design • Fire Science • Hotel/ Hospitality Careers - NEW • Lifeguarding - NEW • Medical Assisting • Medical Core | <ul style="list-style-type: none"> • Medical/Hospital Careers • Medical Innovation, Research & Entrepreneurship • Pharmacy Technician Pathway • Robotics Fundamentals (Level 1) • Robotics Design & Fabrication (Level 2) • Robotics System Integration (Level 3) • Robotics/Autonomous Systems (Level 4) • Veterinary Technician Pathway |
|--|---|



Automotive Technician Honors	3
Aviation Career	1
Business Management & Entrep. Honors	1
Dental Assisting I	2
Emergency Medical Technician Honors	12
Fashion Design Honors	3
Medical and Hospital Careers Honors	7
Med. Innovation Research & Ent.(MIRE)	2
Robotics Fundamental Honors	4
Veterinary Technician	1
Veterinary Technician Advanced Honors	1

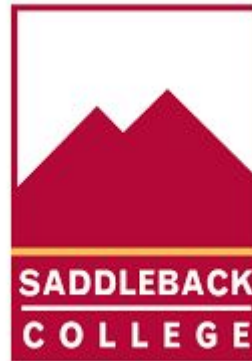
LBHS Early College Credits

428

CCAP &
General Dual
Enrollment
Credits Earned

135

Students



527

Articulated
CTE Courses
Expected
Credits Earned

177

Students

*Summer & Fall 2022

LBHS Early College Credits

Laguna Beach High School CTE Pathway Articulation Agreements Provide Early College Credits

An Articulation Agreement is a formal agreement between a college instructor and a high school teacher stating the high school curriculum is equivalent to the college course. Articulation credits earned can be transferred to many colleges and universities.

2022-23 Articulation Agreements

LBHS Course	College Course	College	CTE Pathway	Units
3D Media Design Honors	MFG 200 Prototyping	Saddleback	Graphic Design	3
AP Computer Science A	CIMP 7A Java	Saddleback	Systems Programming	3
Auto Mechanics & Auto Technology Honors	AUTO 100 Automotive Fundamentals	Santa Ana & Saddleback	Systems Diagnostics, Service, & Repair	3
Business/Management Entrepreneurship Honors	BUS 160 Entrepreneurship	Coastline & Saddleback	Business Management	3
Culinary Arts	FN 101 Culinary Principles I	Saddleback	Food Service & Hospitality	3
Dance 3	DNCE 1 Intro to Dance	Irvine Valley	Dance/Choreography	2
Fashion Design Honors	FASH 101 Intro to Fashion	Saddleback	Fashion Design	3
Fire Science	Fire Technology 101	Santa Ana	Emergency Response	3
Medical Core Honors	BC C145 Medical Admin Asst I	Coastline	Patient Care	3
Multimedia Design Honors	GD 147 Intro to Computer Graphics	Saddleback	Graphic Design	3
Multimedia Production	GC 63 Intro to Screen Printing	Saddleback	Graphic Design	3
Musical Theatre	TA 10 Musical Theatre	Saddleback	Professional Theatre	3
Theatre II	TA 1 Fundamentals of Acting	Saddleback	Professional Theatre	3

To be eligible to earn college units through an Articulation Agreement, students must earn an A or a B in the high school course AND complete the articulation process established by the college. This process can be online through CATENA or a paper process with the college.

For more information on our CTE Pathways & Articulation, please contact Kellee Shearer, Coordinator, Career Education at kshearer@lbusd.org or Lynn Gregory, College & Career Specialist, at lgregory@lbusd.org



Click on icons to visit websites



[LBHS CTE Course Articulation Agreements](#)

IRVINE VALLEY COLLEGE

MORE INFO

lgregory@lbusd.org
or
kshearer@lbusd.org

2023-24 DUAL ENROLLMENT

SUMMER 2023 — SOC 1

INTRODUCTION TO SOCIOLOGY

3 Units - Hybrid model - Online & Live virtual course meeting - Wednesdays - 10 to 11:50 AM
Course meets June 20 - July 21

This course explains how society shapes people's lives and how individual behavior is largely shaped by the groups to which we belong. Students investigate the structure & function of groups, organizations, & societies, & how people interact within these contexts.

SUMMER 2023 — COUN 1

ACADEMIC PLANNING

1.5 Units - Hybrid model - Online & Live virtual course meeting - Tuesdays - 10 to 11:50 AM
Priority registration for current Freshmen
Course meets June 20 - July 21

The course examines the opportunities and requirements for vocational certificates, associate degrees, baccalaureate and higher degrees. The course introduces college survival skills and issues, including college expectations, student motivations, study skills, time management, and college resources.

FALL 2023 — MGT 1

INTRODUCTION TO BUSINESS

3 Units - Hybrid model - Online & Live virtual course meeting - Mondays - 6 to 7:30 PM

A survey in business providing a multi-disciplinary examination of how culture, society, economic systems, legal, political, & financial institutions interact to affect an organization's policy and practices within the US and a global society.

SPRING 2024 — ENTR 117

SOCIAL MEDIA MARKETING

3 units - Hybrid model - Online & Live virtual course meeting - Monday - 6 to 7:30 PM

This course introduces social media tools used for marketing in business. Students create a social media marketing campaign through the use of Web applications, such as Facebook, LinkedIn, and Twitter.

SPRING 2024 — MUS 28

HISTORY OF ROCK MUSIC

3 units - Hybrid model - Online & Live virtual course meeting - Tuesdays - 6 to 7:30 PM

This course traces the development and history of rock music in the U.S. Students study musical, sociological and political aspects of rock music, also important people, ensembles, and institutions of the genre.

FEATURES OF DUAL ENROLLMENT

- Receive high school & college credits
- 3 unit course = 10 high school credits
- Courses can be used to meet college "a-g" admissions
- Transferable to CSU & UC

BENEFITS TO ENROLLING

- ZERO cost for courses
- Save money in college costs
- Reduce # of courses for college

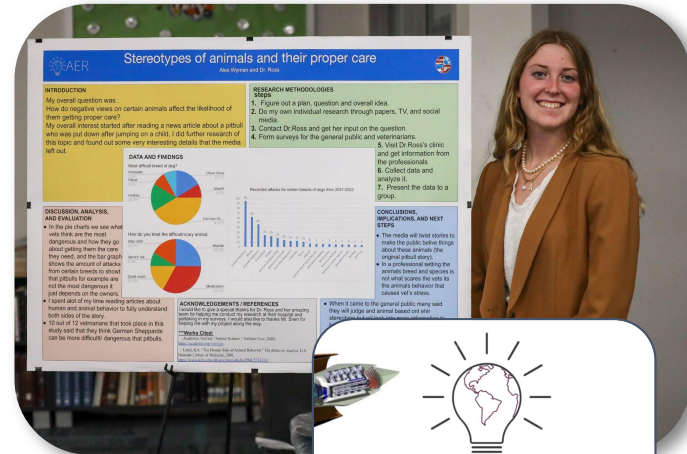
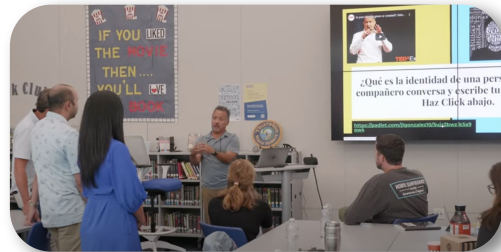
[LBUSD Dual Enrollment 2023-24 Course Offerings](#)

Integrated Career Education Curriculum

Relevant and Authentic
Learning Experiences



FLOW



UNIT
DESIGN



Learner Profile



The T3 Framework for Innovation

TRANSLATIONAL
T1.1: AUTOMATION
T1.2: CONSUMPTION

TRANSFORMATIONAL
T2.1: PRODUCTION
T2.2: CONTRIBUTION

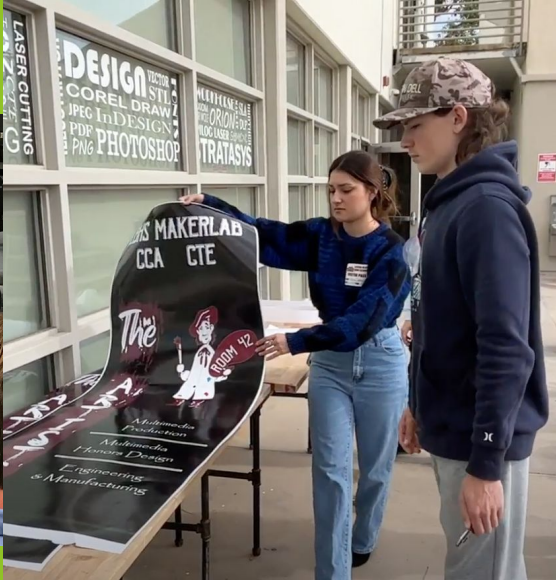
TRANSCENDENT
T3.1: INQUIRY DESIGN
T3.2: SOCIAL ENTREPRENEURSHIP



Thrively



Technology - All CTE Courses



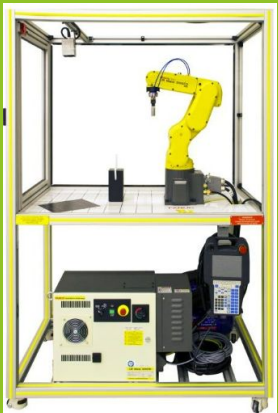
Shared Funding Sources

- General Funds from LBUSD & CUSD
- CTE Incentive Grant (CTEIG)
- K12 Strong Workforce Program
- K16 Regional Collaborative
- Perkins
- Adult Education

What's New in 22-23

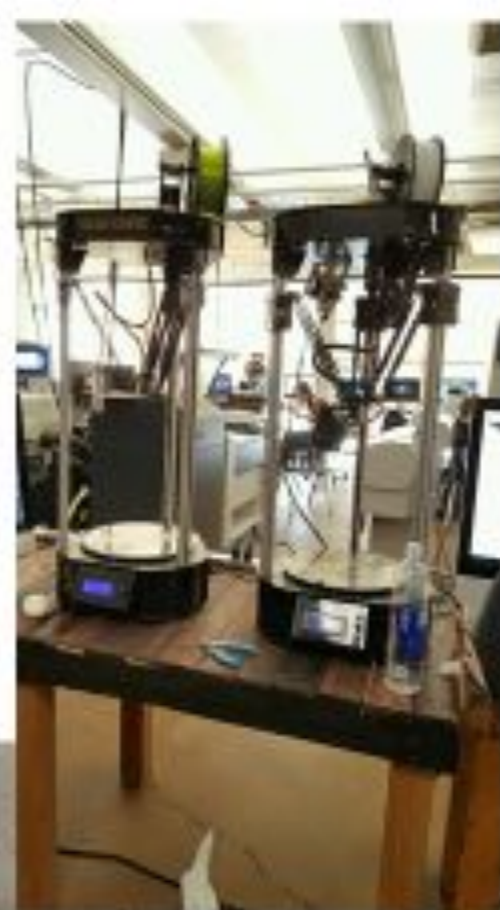
- Over 30 Upgraded or New Computers Labs
- New/Upgraded Labs:

- 2 Culinary Arts
- 2 Auto
- Surgical Tech/ Biotech/ Medical
- Dental Assistant
- 3 Forensics
- eSports arena/classroom
- Theatre Production
- Middle and High School CTE Investigation Labs
- BITA-Construction/ Tiny Home
- Robotics Program hosted SoCal Beach Blitz
- Fanuc robot in the engineering pathway
- LBUSD Artists Theatre - new sound & lighting consoles



- Anatomage Table - 3D Anatomy & Virtual Dissection Platform
- Ambulance used as a Student Lab
- Collaboration between LBHS Graphic Design Pathway and Spyder Lab to enhance existing Student-Run Enterprise

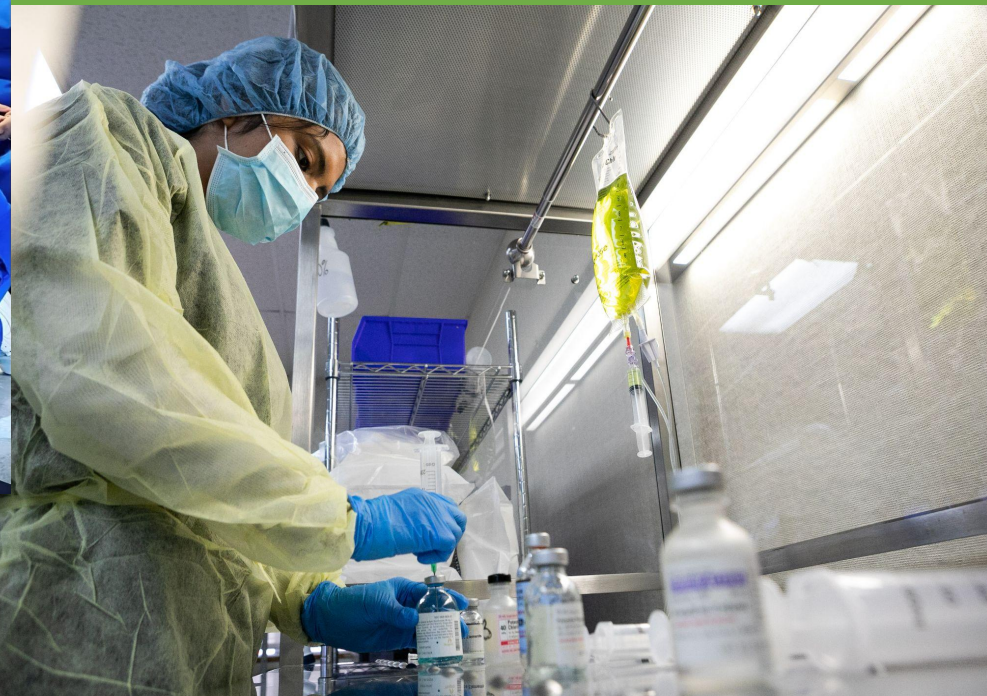




Adult Education Funds- CCA/LBUSD Partnership

- Cyber Security
- Dental Assistant
- Emergency Medical Technician
- Hotel & Hospitality/Culinary
- Medical Assistant
- Pharmacy Technician
- Phlebotomy
- Surgical Technologist

Tuition Free Job Training
Quick Semester Courses



Business/Industry Partners



Recent + Upcoming Events

- Internships: Marriott field trips, Mission Hospital Interns, TIS-CUSD Interns
- MIRE reception, March 16, 4-7:30 pm
- Virtual Enterprise students advancing to nationals in NY
- Robotics competitions March 10, at OC Fairgrounds
- Swallows Day & Patriots Day Parades
- CCA highlight in the Patch
- CCA Presentation at Educating for Careers Conference
- Hosting the Beach Blitz in Oct. 2023
- WASC Visit - April 16-19, 2023
- Career Exploration Exhibit Day at Thurston - Feb. 2023



*Thank You for your continued
Partnership and Support*

