Welcome to Orange High School

STEM and Pathways Academy

CTE Data

Career Technical Education

- 48 course offerings
- 16 different pathways
- 112 Pathway completers in 2015-2016
  - 115% increase from 2014-2015

Industry Sector Enrollment:
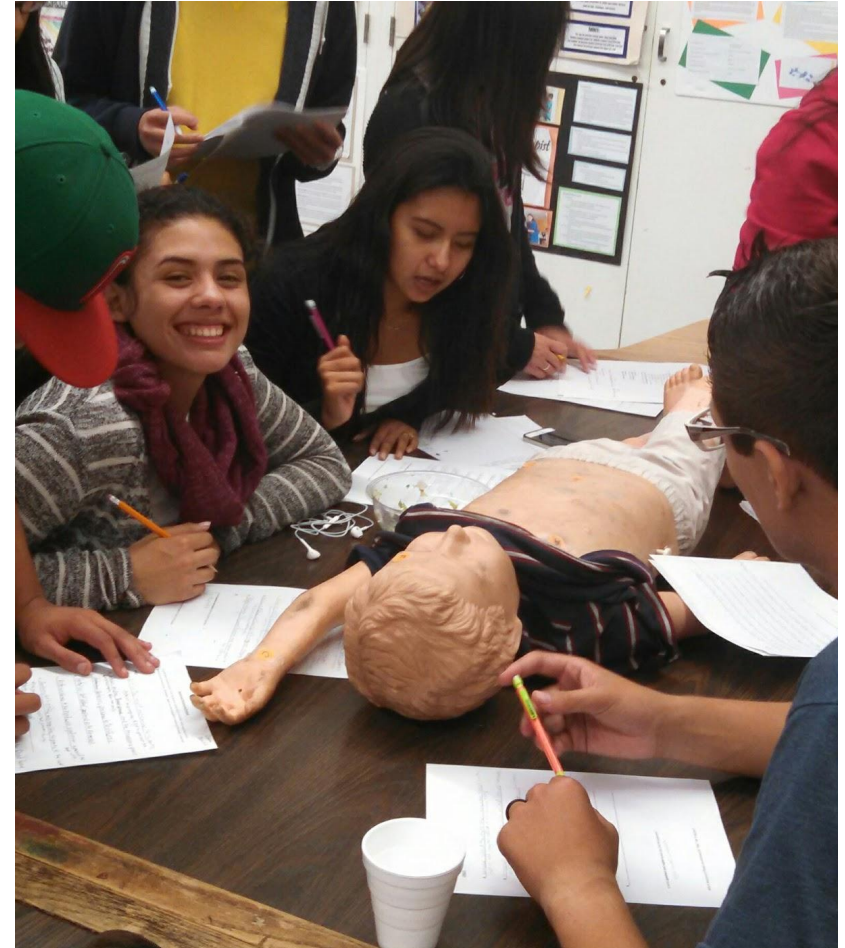Agriculture - 95
AME - 480
Education - 76
Information and Computer Tech - 26
Business - 79
Health Sciences and Medical Technology - 354
Transportation (Auto) - 98
Public Safety - 242

Agriculture and Natural Resources

- Livestock
- Chicken Project
- Tilapia Project
- Sustainable energy
- Greenhouse
- Petting Zoo
- Vertical Gardening

- FFA
- Leadership
- Floral Design
- OC Fair
- Agricultural Biology
- https://vimeo.com/156293672

Agriculture and Natural Resources

Animal Science

ANIMAL SCIENCE PATHWAY

Courses	A-G	Articulated
Animal Science	G	
Animal Care II		
Veterinary Science	G	
Professional Internship		

Health Sciences and Medical Technology

SPORTS MEDICINE PATHWAY

Courses	A-G	Articulated
Career Focus Medical		
Medical Core	G	CCC
Body Systems & Disorders	G	
Sports Medicine I	G	CCC, IVC
Sports Medicine II		
Professional Internship		

PATIENT CARE PATHWAY

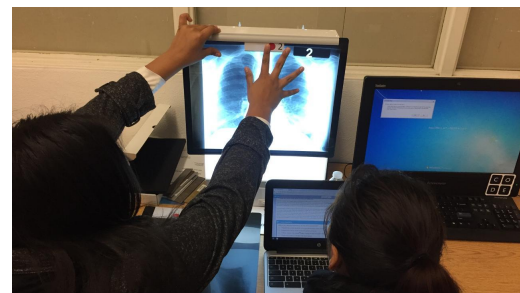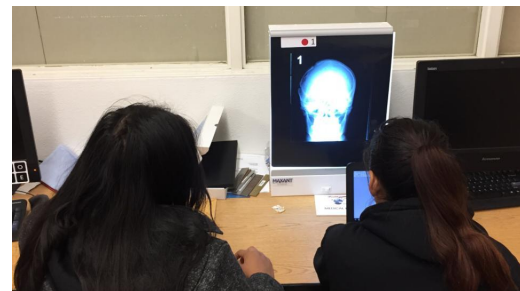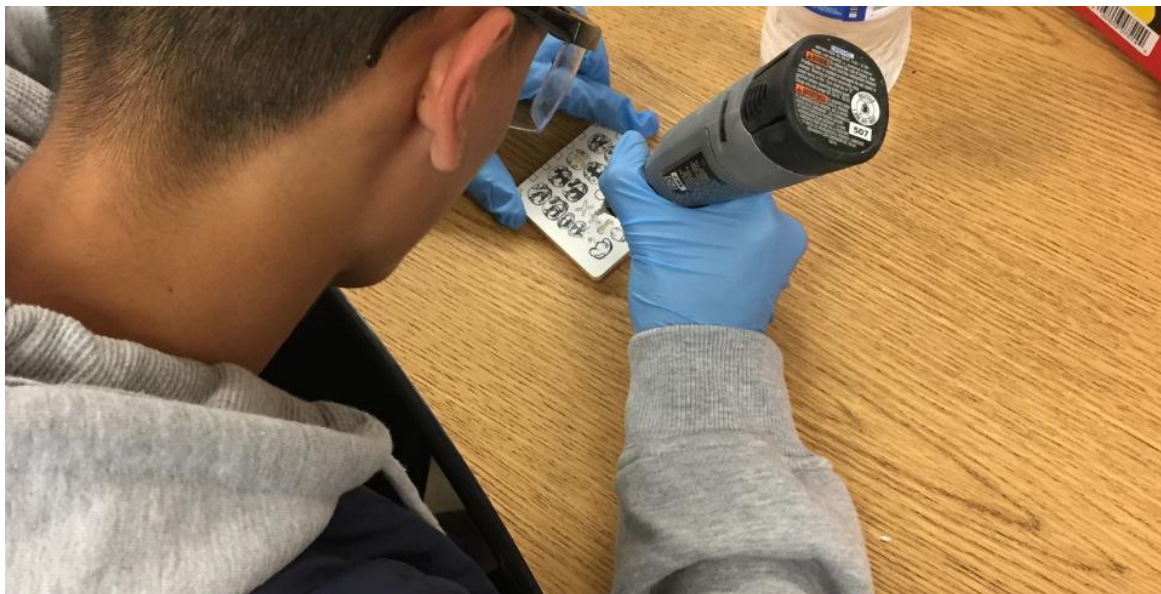| Courses	A-G	Articulated
Career Focus Medical		
Foundations in Health Science	G	
Medical Core	G	CCC
Body Systems & Disorders	G	
Hospital Occupations Intern		
Professional Internship		

Health Science Careers

- Biomedical Engineering
- Biotechnology R&D
- Clinical Lab Practices
- Dentistry
- Emergency Medical Technician
- Forensics
- Health Info Management
- Medical Imaging
- Mental Health
- Nursing
- Ophthalmology
- Pharmacology
- Speech Therapy
- Sports Medicine
- Therapeutic Services
- Veterinary Medicine
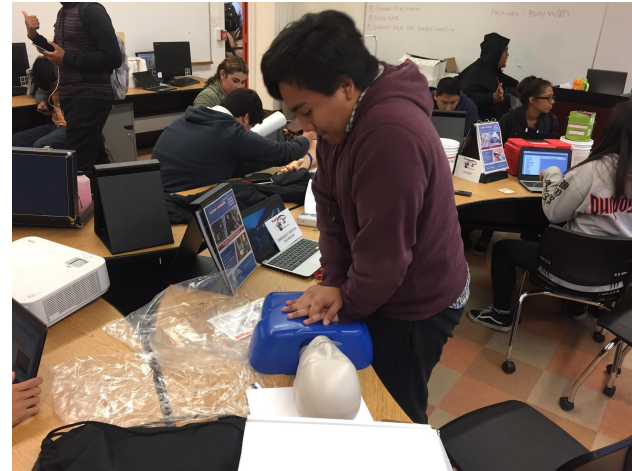
Health Science Careers STEM Lab

Public Service

Emergency Response

PATHWAY

<u>Courses</u>	<u>A-G</u>	<u>Articulated</u>
Tech Action Lab		
Career Focus Medical		
Foundations in Health Science	G	
Emergency Medical Responder		
Medical Core	G	
Fire Science		SAC
Fire Technology		SAC
Emergency Medical Technician		
Professional Internship		

Public Service

Public Safety

PATHWAY

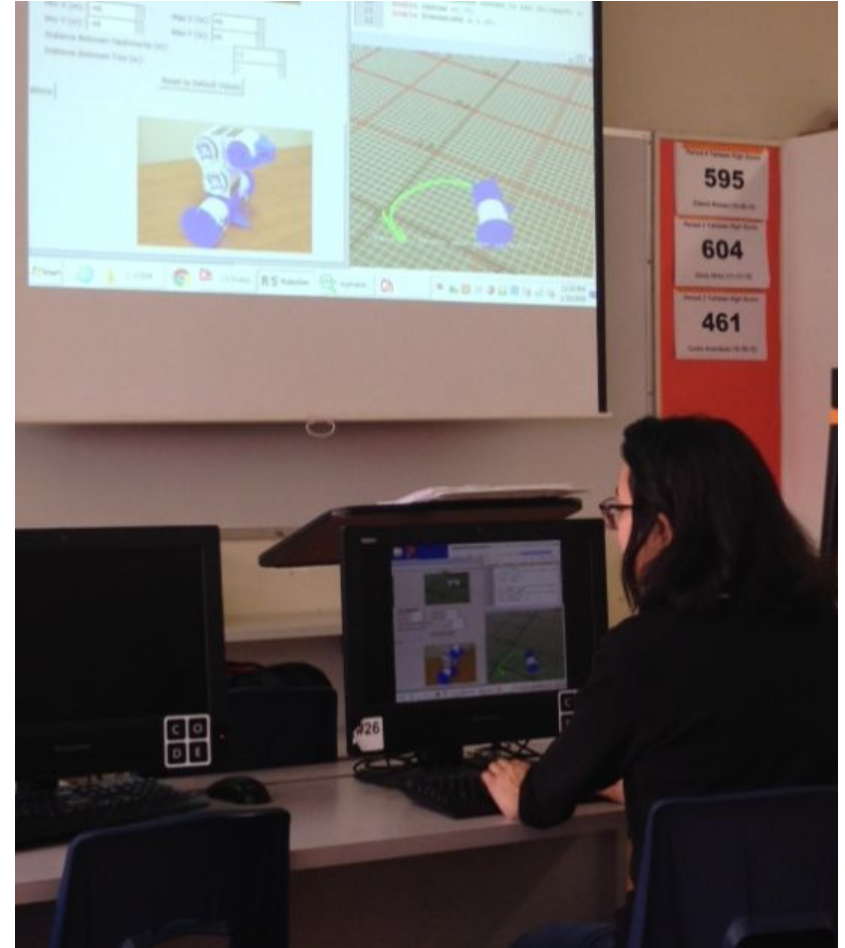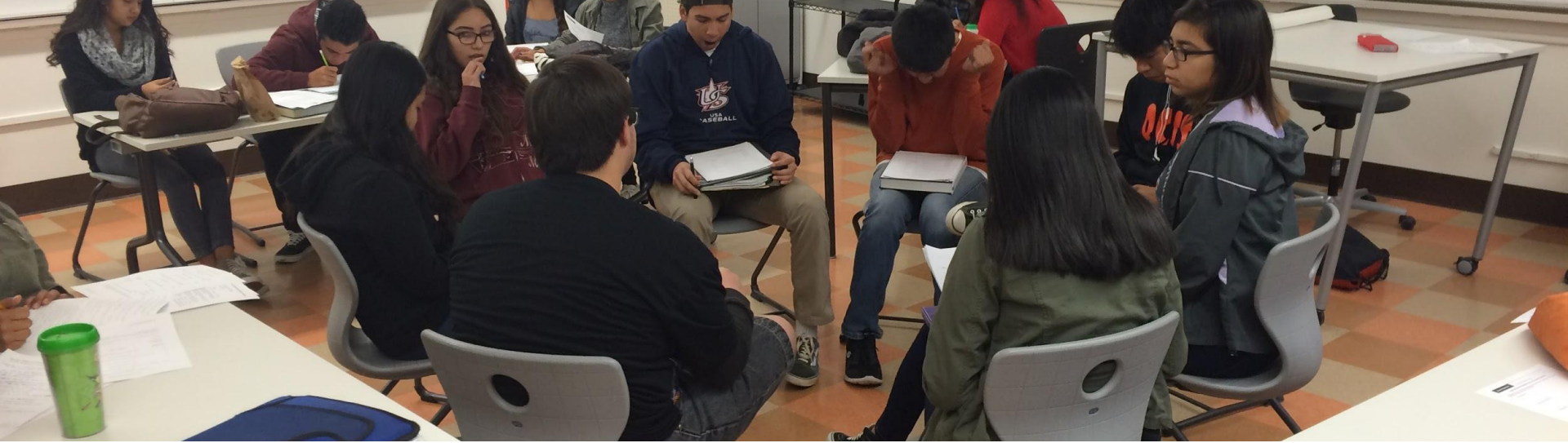| Courses	A-G	Articulated
Career Focus Protective Service		
Criminal Justice	G	SAC, FCC
Crime Scene Investigation		
Professional Internship		

Information and Computer Technology

Software and System Development

- Advanced Placement Computer Science
- Internet web design
- Introduction to programing
- **Application design**
- Internship opportunities

Advancement Via Individual Determination

AVID Academy

Simon Family STEM Scholars

Chapman University Partnership

- Simon Family Scholar foundation
  - $15,000 per year
  - Academic monitoring
  - Leadership retreat
  - College visits
  - Professional dress, public speaking, laptop computers
- Chapman University
  - STEM research rotations with CU professors
  - Full ride scholarships
  - Exposure to CU academic and culture

Program Highlights

- Articulation with community colleges
- Hands on experience
- Internship opportunities
- Real life opportunities for all
- Exposure to industry standard technology and tools
- Chapman University Partnerships
- Simon STEM Scholarship
- Multiple pathway opportunities
- Academies organized to fit the demands of a rigorous course of study
- Several courses meet A-G requirements