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**

<table>
<thead>
<tr>
<th>Courses</th>
<th>A-G</th>
<th>Articulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Science</td>
<td>G</td>
<td></td>
</tr>
<tr>
<td>Animal Care II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Veterinary Science</td>
<td>G</td>
<td></td>
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<tr>
<td>Professional Internship</td>
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</tbody>
</table>
# Health Sciences and Medical Technology

## SPORTS MEDICINE PATHWAY

<table>
<thead>
<tr>
<th>Courses</th>
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<tbody>
<tr>
<td>Career Focus Medical</td>
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<td></td>
</tr>
<tr>
<td>Medical Core</td>
<td>G</td>
<td>CCC</td>
</tr>
<tr>
<td>Body Systems &amp; Disorders</td>
<td>G</td>
<td></td>
</tr>
<tr>
<td>Sports Medicine I</td>
<td>G</td>
<td>CCC, IVC</td>
</tr>
<tr>
<td>Sports Medicine II</td>
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<tr>
<td>Professional Internship</td>
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## PATIENT CARE PATHWAY

<table>
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<tr>
<th>Courses</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Career Focus Medical</td>
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</tr>
<tr>
<td>Foundations in Health Science</td>
<td>G</td>
<td></td>
</tr>
<tr>
<td>Medical Core</td>
<td>G</td>
<td>CCC</td>
</tr>
<tr>
<td>Body Systems &amp; Disorders</td>
<td>G</td>
<td></td>
</tr>
<tr>
<td>Hospital Occupations Intern</td>
<td>G</td>
<td></td>
</tr>
<tr>
<td>Professional Internship</td>
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</tbody>
</table>
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

Courses A-G Articulated
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**

<table>
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<tr>
<th>Courses</th>
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<th>Articulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Career Focus Protective Service</td>
<td>G</td>
<td>SAC, FCC</td>
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<tr>
<td>Criminal Justice</td>
<td>G</td>
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</tr>
<tr>
<td>Crime Scene Investigation</td>
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</table>
Information and Computer Technology

Software and System Development

- Advanced Placement Computer Science
- Internet web design
- Introduction to programming
- **Application design**
- Internship opportunities
Advancement Via Individual Determination

AVID Academy
Simon Family STEM Scholars

- 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

Chapman University Partnership
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