Grants Cibola County Schools

CTE

Rana Sanchez, GCCS Academic Director
Jessie Rivera, GHS Residential Construction Teacher
CTE Vision:

Every student has access to a clear pathway to post-graduation.
The Build

- Reviewed Current CTE Pathway Course Progression with District and School Leaders
- Determined Current Gaps and Non-Existent CTE Pathways
- Determined Course Progressions for Each Desired CTE Pathway from 7th Grade to Post-Secondary
- Determined all Materials, Tools, Equipment, and Resources for Each CTE Pathway
- Built Learning Plans for Each Course within Each CTE Pathway
- Aligned SIS, STARS #’s, Course Progressions, Course Catalogs to All CTE Pathways
- Celebrated and Shared Finished CTE System with Stakeholders
- Provided Support of Implementation of the CTE System

Reviewed Current CTE Pathway Course Progression with District and School Leaders
District Learning Plans (DLPs)

Animal Science - Agriculture HS

Grade: Animal Science - Agriculture HS CTE

Animal Science - Agriculture HS

1st Semester: 0162 Science of Small Animals - Recommended for Students Grades 10 - 12. Course imparts information about the care and management of domesticated animals. Animal nutrition, health, reproduction, genetics, facilities, and marketing are all possible topics. Study of anatomy and physiology of livestock and other domesticated animals. Examination of developmental stages and analysis of feed ration for different parts of an animal's life cycle. Identification of environmental factors that affect an animal's performance; Breeding.

Specific focus of this course is on small animals.

Business Communication/Tech II

High School

Business Communication and Technology II - Grades 10-12 - Business Communication and Technology II focuses on the integration of technology, communication skills, leadership skills, and workplace skills in the business world. Using today's technology, business students gain real-world work experience in areas such as office management, sales/retailing, and education. In addition, the student examines career paths available after graduation.

Welding I

High School

Welding I - Recommended for Students Grades 9 - 12 - Key content includes: Orientation to the Trade; safety obligations of all to ensure a safe workplace; OSHA regulations awareness, communication and professional/employability skills. Course introduces students to the properties, uses, and applications of various metals. Welding courses provide experience in various processes used in join and cut metals (such as oxyacetylene, shielded metal arc, metal inert gas and tungsten arc processes) and the proper use of each technique. Courses often include instruction interpreting blueprints or other types of specifications.
# Course Progression Maps

## CCS Science and Technology Pathways

The following are pathways to earn not only a high school diploma but industry certificates, post-secondary certificates, and degrees. Students should use this document as a tool to plan their middle and high school career. Please note the course progressions are a guide and may change due to availability. Also some students may meet these requirements at a different age than others and this is acceptable. Students should consult their Success Advisor to ensure they are taking the right courses.

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<thead>
<tr>
<th>Computer Technology</th>
<th>Computer Programming</th>
<th>Energy Technology</th>
<th>Engineering</th>
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<td>English IV</td>
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<td>Math</td>
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<td>Algebra I</td>
<td>AP Calculus BC</td>
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<td>Government/Economics</td>
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<td>Physical Science</td>
<td>Pre-Calculus</td>
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<td>Government/Economics</td>
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<td>Word Processing</td>
<td>AP Computer Science A</td>
<td>Government/Economics</td>
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<td>Seminar (Solving Problems with Computers)</td>
<td>AP Computer Science A</td>
<td>Advanced Career-Clean Energy Innovations</td>
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**Achievements:**
- High School Diploma
- Computer Technology
- Coursework for AP
- Energy Technology
- During HS 28 credits
- Achieve (MESA) IV
- Supercomputing Challenge IV
- Seminar (Engineering MESA)
<table>
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Achievements:
- High School Diploma
- Computer Technology Certificate
- Coursework for Cisco CCNET Certificate Exam
- Cisco CCNA Routing and Switching

Achievements:
- High School Diploma
- Coursework for AP Computer Science Principles Exam
- Coursework for AP Computer Science A Exam

Achievements:
- High School Diploma
- Energy Technology Certificate

Achievements:
- High School Diploma
- During HS 28 credits toward an Associates of Science out of 60 credits
- Coursework for AP Calculus AB and BC Exam
Work Based Learning Built In

Structure of Learning Plans

- Content Specific Standards
- PED CTE Standards
- 4th Quarter Capstone Standards for Every CTE Course
- Entrepreneurship Embedded
- Internship and Work Experience Embedded
Pathways Established and Expected Outcomes for Students

❖ Agriculture Pathway

HS Diploma with Options to Achieve:

- Agricultural Business
  - General Business with Ag Coursework
- Veterinarian Assistant
  - Vet Asst. Certificate
- Veterinarian Technology
  - 41 credits toward a Vet Tech Associates Degree (76-80 total)
Education Pathway

HS Diploma with Options to Achieve:

Early Childhood Education
- ECE certificate, EA/Substitute License (if 18 at graduation)

Early Childhood Education
- ECE Associates Degree, EA/Substitute License (if 18 at graduation)

Education
- Education Associates Degree, EA/Substitute License (if 18 at graduation)
❖ Health Science Pathway

HS Diploma with Options to Achieve:

Phlebotomist
- Phlebotomist Certificate

EMS Basic
- EMS Basic Certificate

Health Careers
- Health Careers Certificate

EMS Intermediate
- EMS Associate Degree
Science and Technology Pathway

HS Diploma with Options to Achieve:

Computer Technology
- Computer Technology Certificate, CISCO CCNET Certificate, and CISCO CCNA Routing and Switching Certificate

Energy Technology
- Energy Technology Certificate

Engineering
- 35 credits towards an Associates of Science Degree of 60 credits
Skilled Trades Pathway

HS Diploma with Options to Achieve:

- Mechatronics
  - OSHA 10

- Welding Technology
  - Welding Technology Certificate, and OSHA 10

- Residential Construction

- Building Trades Framing Certificate, OSHA 10

- Construction

- Automation and Manufacturing
  - Automation and Manufacturing Certificate, OSHA 10
A/V Technology & Communication

HS Diploma with Options to Achieve:
Mass Communications

- OSHA 10 General Industry Certificate
- 26 College credits towards a Bachelor of Creative Media
Contact Information

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