



Grants Cibola County Schools CTE

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Teacher

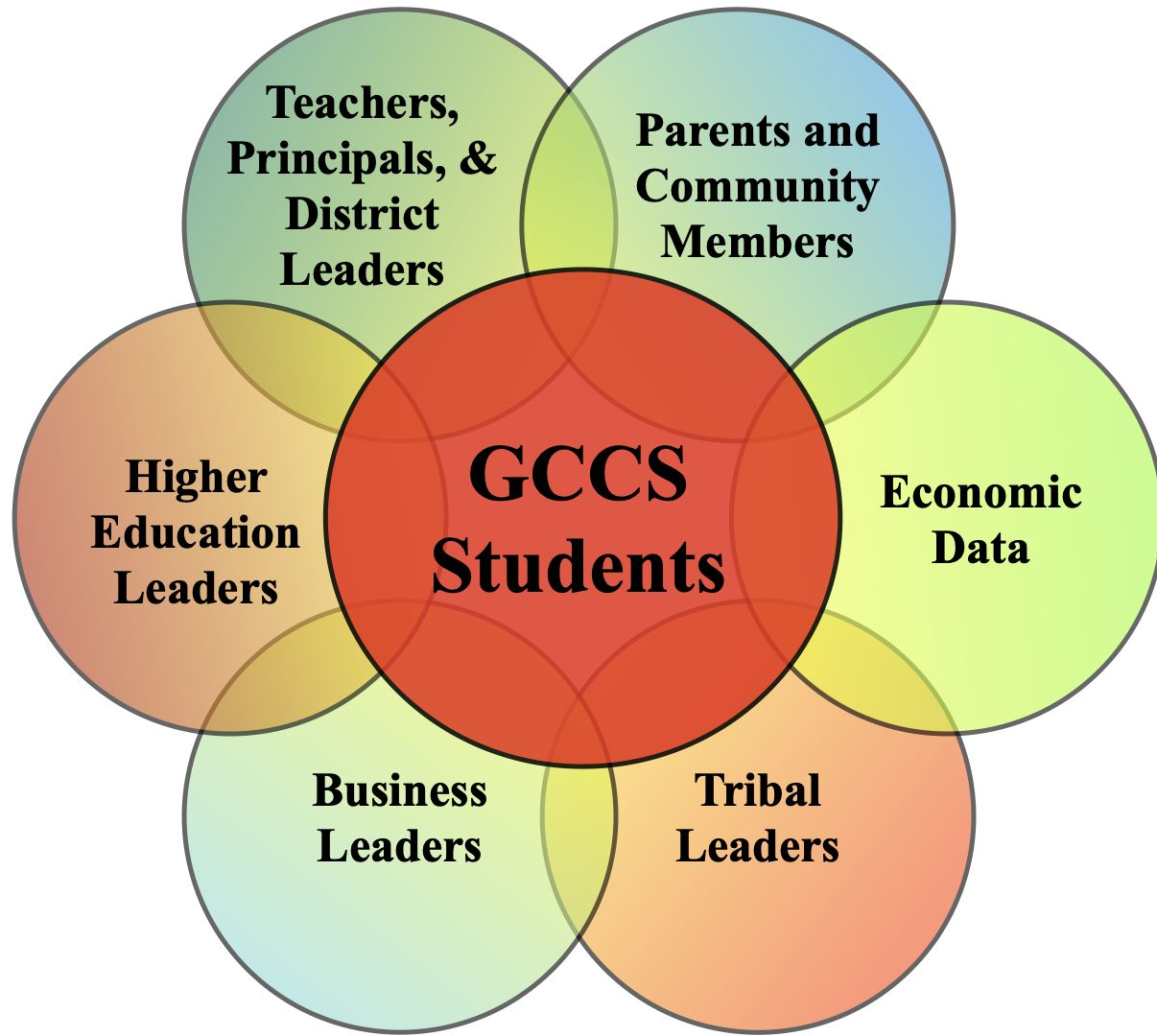
CTE

Vision:

EVERY STUDENT HAS
ACCESS TO A CLEAR
PATHWAY TO
POST-GRADUATION.



**Identifying
Needs,
Partnerships,
and
Possibilities**





The Build

Provided Support of Implementation of the CTE System

Celebrated and Shared Finished CTE System with Stakeholders

Aligned SIS, STARS #'s, Course Progressions, Course Catalogs to All CTE Pathways

Built Learning Plans for Each Course within Each CTE Pathway

Determined all Materials, Tools, Equipment, and Resources for Each CTE Pathway

Determined Course Progressions for Each Desired CTE Pathway from 7th Grade to Post-Secondary

Determined Current Gaps and Non-Existent CTE Pathways

Reviewed Current CTE Pathway Course Progression with District and School Leaders

District Learning Plans (DLPs)



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; Recognition of signs of disease and injury. Specific focus of this course is on small animals.

Grade: Welding I HS CTE

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 regulation 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 to 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.

Business Communication/Tech II High School

Business Communication and Technology II - Grades 10-12 - Business Communication and Technology II focuses on the application of technology, communication skills, leadership skills, and workplace skills in the business world and the secondary education arena. In addition, the student examines career paths available after graduation.

Grade: CTE

Course Progression Maps



GCCS 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 pace than others and this is acceptable. Student Success Advisor to ensure they are taking the right courses.

Computer Technology	Computer Programming	Energy Technology	Engineering
10th Grade <input type="checkbox"/> English II <input type="checkbox"/> Geometry	10th Grade <input type="checkbox"/> English II <input type="checkbox"/> Geometry	10th Grade <input type="checkbox"/> English II <input type="checkbox"/> Geometry	10th Grade <input type="checkbox"/> English II <input type="checkbox"/> Algebra II

Computer Technology	Computer Programming
7th Grade <input type="checkbox"/> ELA <input type="checkbox"/> Math <input type="checkbox"/> History <input type="checkbox"/> Science <input type="checkbox"/> Physical Education <input type="checkbox"/> Word Processing <input type="checkbox"/> Seminar (Solving Problems with Computers)	7th Grade <input type="checkbox"/> ELA <input type="checkbox"/> Math <input type="checkbox"/> History <input type="checkbox"/> Science <input type="checkbox"/> Physical Education <input type="checkbox"/> Word Processing <input type="checkbox"/> Seminar (Solving Problems with Computers)
8th Grade <input type="checkbox"/> ELA <input type="checkbox"/> Math <input type="checkbox"/> History <input type="checkbox"/> Science <input type="checkbox"/> Health <input type="checkbox"/> General Computer Applications <input type="checkbox"/> Elective	8th Grade <input type="checkbox"/> ELA <input type="checkbox"/> Math <input type="checkbox"/> History <input type="checkbox"/> Science <input type="checkbox"/> Health <input type="checkbox"/> General Computer Applications <input type="checkbox"/> Elective
9th Grade <input type="checkbox"/> English I <input type="checkbox"/> Algebra I <input type="checkbox"/> NM History <input type="checkbox"/> Physical Science	9th Grade <input type="checkbox"/> English I <input type="checkbox"/> Algebra I <input type="checkbox"/> NM History <input type="checkbox"/> Physical Science

Computer Technology	Computer Programming	Energy Technology	Engineering
<input type="checkbox"/> Elective 12th Grade <input type="checkbox"/> English IV <input type="checkbox"/> Pre-Calculus <input type="checkbox"/> Government/Economics <input type="checkbox"/> Elective <input type="checkbox"/> Elective <input type="checkbox"/> Elective <input type="checkbox"/> Elective	<input type="checkbox"/> Elective 12th Grade <input type="checkbox"/> English IV <input type="checkbox"/> Pre-Calculus <input type="checkbox"/> Government/Economics <input type="checkbox"/> AP Computer Science A <input type="checkbox"/> Elective <input type="checkbox"/> Elective <input type="checkbox"/> Elective	<input type="checkbox"/> Elective 12th Grade <input type="checkbox"/> English IV <input type="checkbox"/> Pre-Calculus <input type="checkbox"/> Government/Economics <input type="checkbox"/> Advanced Career-Clean Energy Innovations <input type="checkbox"/> Elective <input type="checkbox"/> Elective <input type="checkbox"/> Elective	<input type="checkbox"/> Seminar (Engineering) 12th Grade <input type="checkbox"/> English IV <input type="checkbox"/> AP Calculus BC <input type="checkbox"/> Government/Economics <input type="checkbox"/> Math Engineer/Scientist Achieve (MESA) IV <input type="checkbox"/> Supercomputing Challenge IV <input type="checkbox"/> Seminar (Engineering) <input type="checkbox"/> Elective
Achievements: <ul style="list-style-type: none"> • High School Diploma • Computer Technology 	Achievements: <ul style="list-style-type: none"> • High School Diploma • Coursework for AP 	Achievements: <ul style="list-style-type: none"> • High School Diploma • Energy Technology 	Achievements: <ul style="list-style-type: none"> • High School Diploma • During HS 28 credits

<input type="checkbox"/> Elective			<input type="checkbox"/> Seminar (Engineering) I
12th Grade <input type="checkbox"/> English IV <input type="checkbox"/> Pre-Calculus <input type="checkbox"/> Government/ Economics <input type="checkbox"/> Elective <input type="checkbox"/> Elective <input type="checkbox"/> Elective <input type="checkbox"/> Elective	12th Grade <input type="checkbox"/> English IV <input type="checkbox"/> Pre-Calculus <input type="checkbox"/> Government/ Economics <input type="checkbox"/> AP Computer Science A <input type="checkbox"/> Elective <input type="checkbox"/> Elective <input type="checkbox"/> Elective	12th Grade <input type="checkbox"/> English IV <input type="checkbox"/> Pre-Calculus <input type="checkbox"/> Government/ Economics <input type="checkbox"/> Advanced Career-Clean Energy Innovations <input type="checkbox"/> Elective <input type="checkbox"/> Elective <input type="checkbox"/> Elective	12th Grade <input type="checkbox"/> English IV <input type="checkbox"/> AP Calculus BC <input type="checkbox"/> Government/Economics <input type="checkbox"/> Math Engineer/Science Achieve (MESA) IV <input type="checkbox"/> Supercomputing Challenge IV <input type="checkbox"/> Seminar (Engineering) II <input type="checkbox"/> Elective
Achievements: <ul style="list-style-type: none"> • High School Diploma • Computer Technology Certificate • Coursework for Cisco <u>CCNET</u> Certificate Exam • Cisco CCNA Routing and Switching 	Achievements: <ul style="list-style-type: none"> • High School Diploma • Coursework for AP Computer Science Principles Exam • Coursework for AP Computer Science A Exam 	Achievements: <ul style="list-style-type: none"> • High School Diploma • Energy Technology Certificate 	Achievements: <ul style="list-style-type: none"> • 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

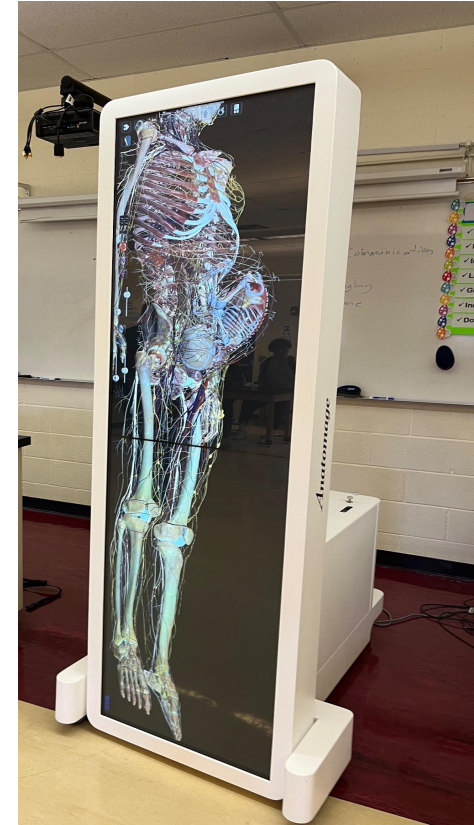
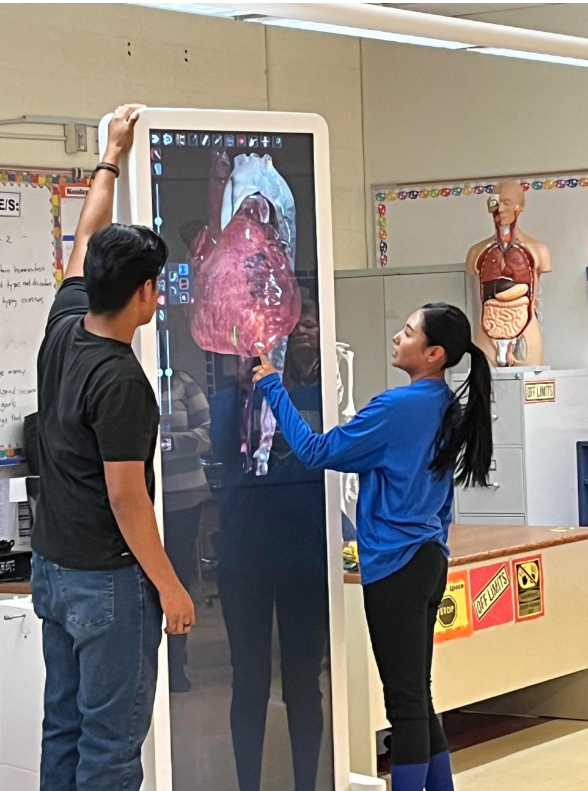
- EMS Basic Certificate

Health Careers

- Health Careers Certificate

EMS Intermediate

- EMS Associate Degree



❖ Science and Technology Pathway

HS Diploma with Options to Achieve:

Computer Technology

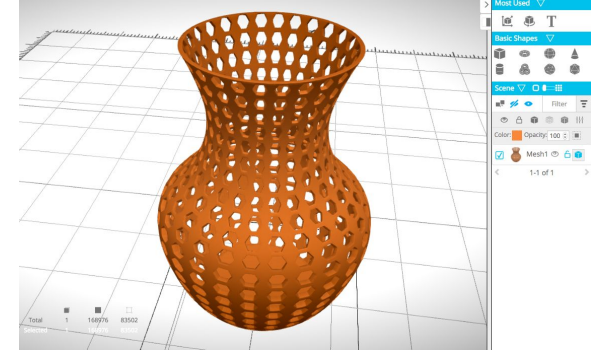
- Computer Technology Certificate, CISCO CCNET Certificate, and CISCO CCNA Routing and Switching Certificate

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



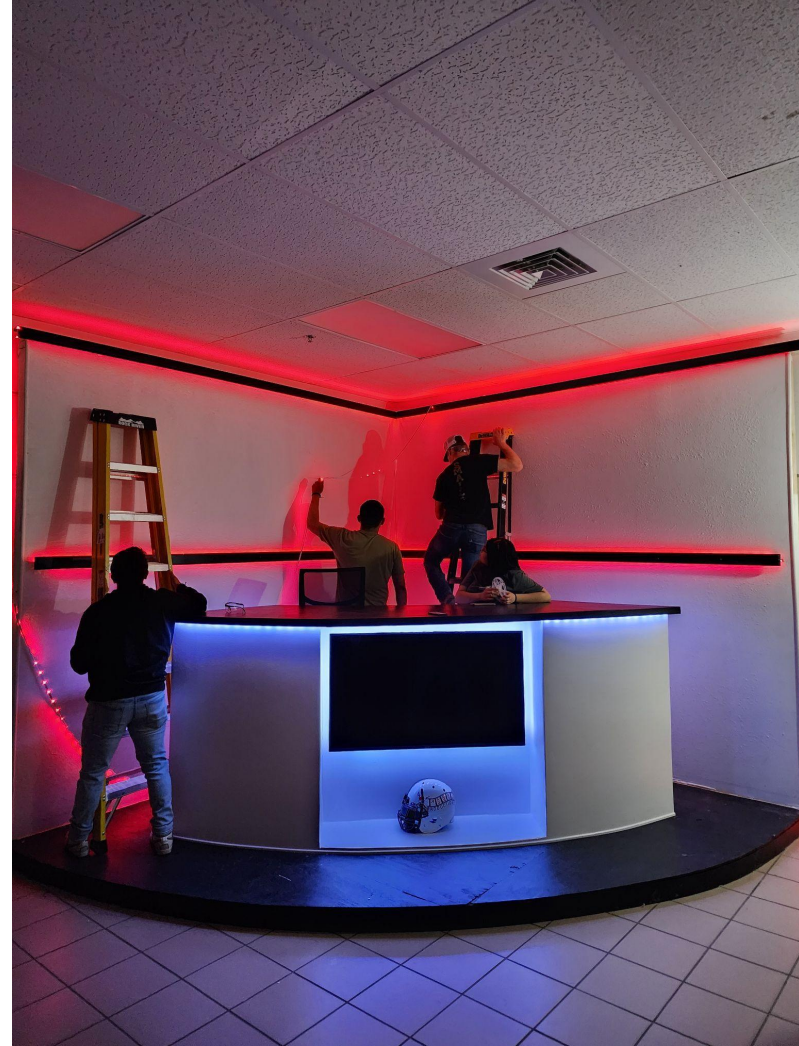


► A/V Technology & Communication

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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