

Career Technical Education (CTE)

Recruitment 2023



What is CTE?



CTE stands for Career Technical Education



CTE classes are educational pathway courses that focus on a specific industry field ex: education, medical, financial, etc.



CTE classes prepares students for high wage, high skill, high demand careers in established & emerging industries



In these classes, students learn real life technical skills based on industry standards



Career Technical Education in CUSD



25 Different Pathways/Programs

3,000 Student participants

District-wide course offerings are open to
11th and 12th grade students

2 period courses

Waives PE requirement (CORE PE Must be
Completed)

<https://cnec.cusd.com/CARTCTEROP.aspx>



Why take CTE?

- Earn college credits
- Learn new skills
- Gain experience
- Find your passion
- Field trips
- Choose a career
- Get certified
- Start an internship
- Work-based Learning Partnerships
- Build your network
- FREE!



CTE Requirements

- 2.5 GPA Requirement
 - for dual enrollment
- Maintain good:
 - Attendance
 - Behavior
 - Grades
- Some require applications
- Limited seating
- Must have own transportation



CTE at Clovis North High School

Software and Systems
Development

Product Innovation and
Design

Patient Care

Education



Information Technology Software and Systems Development

Exploring
Computer
Science 9-10

AP Computer
Science
Principles
10-12

AP Computer
Science A 11-
12

Work Based Learning Opportunities



Competitions



NASA's Let Your invention Fly Engineering Design Challenge. Two Clovis North teams will have their designs 3D printed on the International Space Station and used by astronauts.

FIRST Robotics Competition – Design, CAD, FAB, and learn to program robots



Access to Industry Technology

Virtual Reality



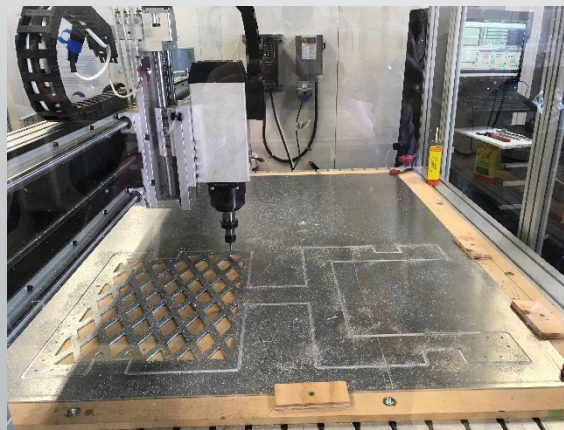
3D Printers



Top of the line computers and laptops



CNC Router





Certifications

- JAVA SE7 Developer
- Cloud Computing
- Hour of Code
- 20 Hours of Code
- Software and Systems Development Pathway Completer

Pathway Courses

Exploring Computer Science Exploring Computer Science is a yearlong course consisting of 6 units, approximately 6 weeks each; Human Computer Interaction, Problem Solving, Web Design, Programming, Computing and Data Analysis, and Robotics.

AP Computer Science Principles uses code.org to traverse the major components of computer science, starting with the internet, moving through programming and finishing with robotics.

AP Computer Science A is both a college-prep course for potential computer science majors and a foundation course for student planning to study in other technical fields such as engineering, physics, chemistry and geology. Uses Java programming language.



Careers

Software Engineer
Computer Network Architect
Systems Developer
Software Developer
Computer Systems Analyst
IT Manager
Web Developer
Performance Systems Development



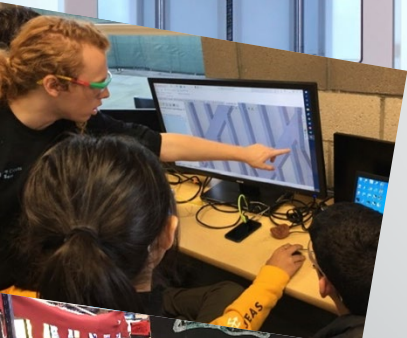
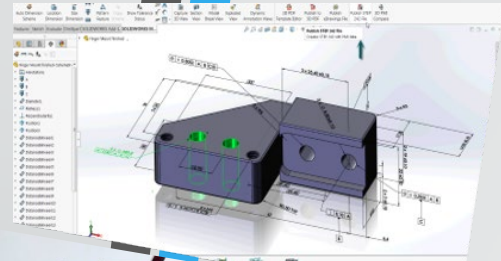
Product Innovation and Design Pathway

- Computer Aided Design
and Engineering
(Introductory Course)
- Mechanical Systems and
Product Development
(Capstone course)



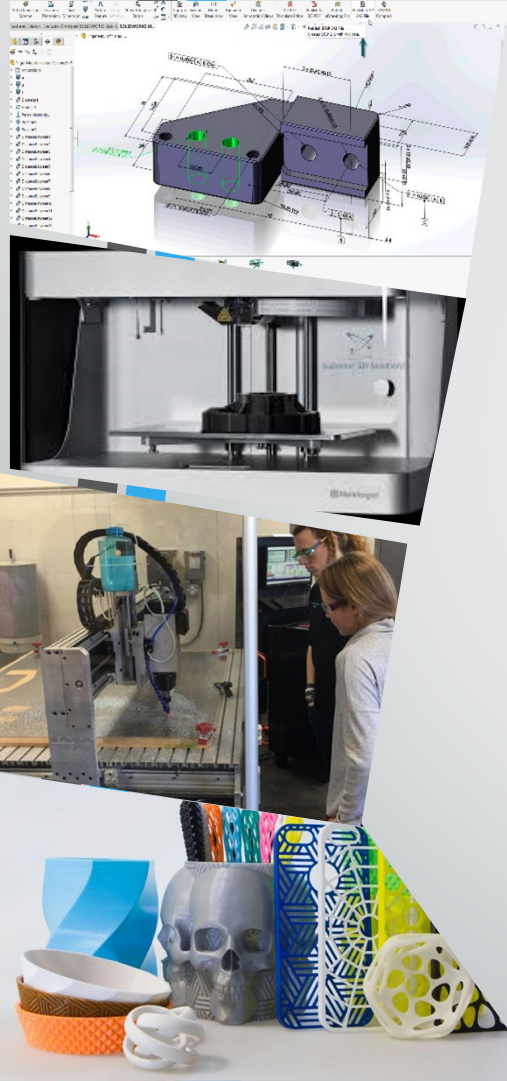
Computer Aided Design and Engineering

- Design, Prototype & Fabrication fundamentals
- Learn 3D Modeling & Prototyping Skills
- Fabricate products using 3D Printers
- CAD on Solidworks
- Laser cutting basics

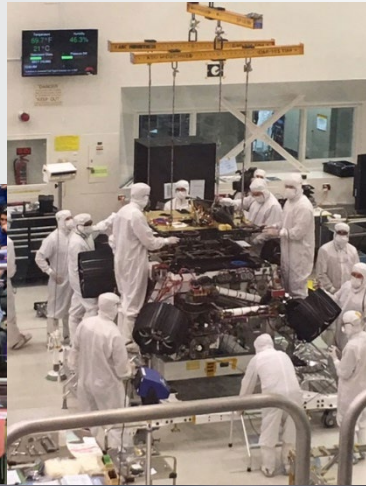
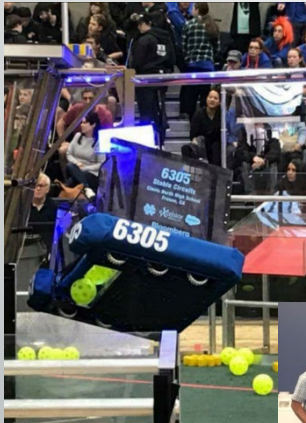


Product Innovation and Design

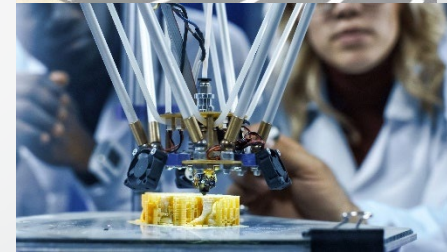
- Design Products & Market them
- Solar Energy, Smart Home Tech, Bio Tech, Assistive Devices
- Industry Tours & Job Shadowing
- Internship opportunities with business partners
- Solidworks Certification
- Laser Cutting & Vinyl Printing
- Resume, Interviewing, Job Skills



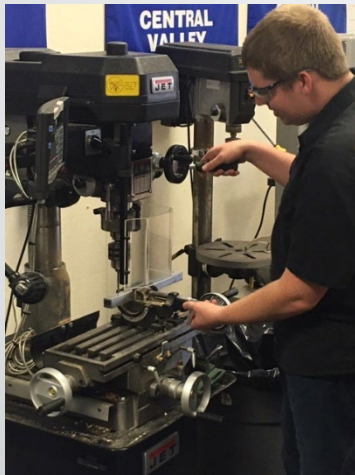
Work Based Learning Opportunities, Competitions, Career Benefits



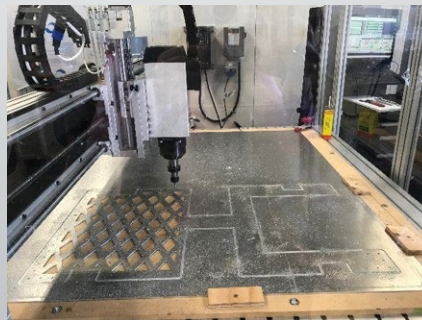
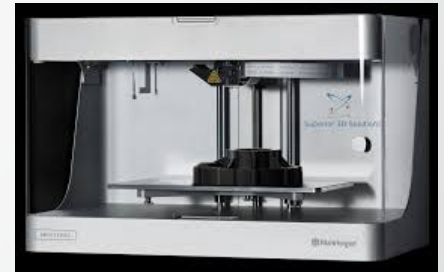
- Engineering
- Computer Aided Design
- Mechanical Engineering
- NASA competitions
- Robotics Team
- Production Design and Management
- Internship Opportunities



Access to Manufacturing Equipment and Technology



- High End 3D Printers
- Top of the Line Laptops
- Velox CNC Router
- Industry Standard Solidworks
- Drill Mill, Lathe, Vinyl Printer
- Universal Laser Cutter



Competitions



NASA's Let Your invention Fly Engineering Design Challenge. Two Clovis North teams will have their designs 3D printed on the International Space Station and used by astronauts.

FIRST Robotics Competition – Design, CAD, FAB, and learn to program robots



Want to Teach? Coach? Work in the field of education?

“Working with Children and Making a
Difference”



Careers with Children and Careers in Education

- CLOVIS NORTH HIGH SCHOOL
 - Ms. Nicole Berg
 - Kirsten Aguilar
 - 2022-2023



Video Link



COMMUNITY CLASSROOMS

- **CUSD Elementary Sites**

- Fugman
- Mountain View
- Copper Hills
- Riverview
- Bud Rank



What do students say.....

“If you LOVE being around kids- then you will LOVE this class!

“You will learn how to plan and become a good teacher, substitute teacher, instructional aide, or coach”

“You get to do arts and crafts in class and then teach them to the students at your elementary site”

“You will learn how to properly and professionally handle classroom situations”

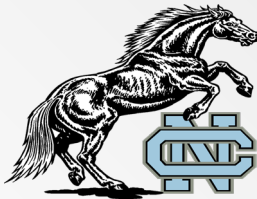
“I enjoy the guest speakers that have come to class”

“We have learned about the different jobs when working with kids”

“I love the monthly class parties- the food and activities are FUN!”



Patient Care Pathway



Clovis North High School
Mrs. Khal

Rehabilitation Therapy Careers- Senior
class

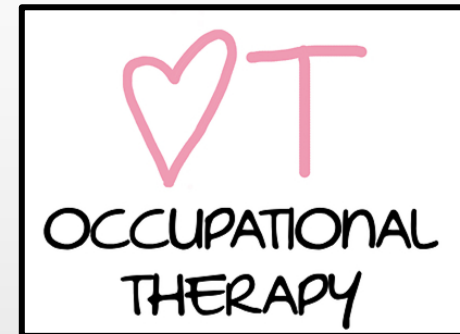
Medical Health and Wellness- Senior
class

Medical Careers- Junior class



Rehab Therapy Careers – Senior Course

- **Double period** (6 & 7 period)
- **Replaces PE**
- **Dual Enrollment (3 Units)**
 - Medical Terminology offered through CCC



Community Classroom

- Observations three times a Week
 - M/W/F during class
- Requirements:
 - **Students must be able to drive themselves or Parents transport**
 - Must have required immunizations

CC locations:

- Physiotion Physical Therapy
- Valley Children's Hospital
- Clovis Community Hospital
- Sierra Pacific Orthopedic Center (SPOC)
- Goodfellow Occupational Therapy
- The Talk Team
- Clovis North Athletic Training room
- Thrive Physical Therapy
- Pro-PT
- Clovis Community College
- Thompson Physical Therapy
- Robert Pauline Physical Therapy
- Preferred Chiropractic Center
- Schroeder Chiropractic Center

Course Content

- First Aid/CPR (certificated)
- Anatomy
- Taping
- Bloodborne pathogens and skin infections
- Injury evaluation
- Stretching
- Environmental conditions
- Phases of rehabilitation
- Cranial nerves and dermatomes
- Nutrition
- Resume building



Annual California Regional High School Sports Medicine Competition



Held at California State University, Northridge
Compete against other schools from across the
US!

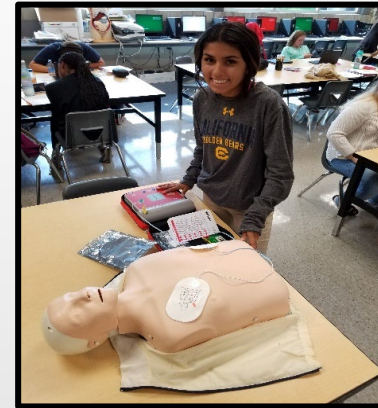
Medical Careers – Junior Course

- Double period (3 & 4 period)
- Replaces PE
- Must apply to be in the class



Course Content

- First Aid/CPR certification
- OSHA certification
- Exposed to various careers
- Guest Speakers
- Industry tours
- Basic Anatomy
- Medical Terminology
- Lab Skills
- Job Readiness Skills



Community Classroom

- Observations three times a Week
 - M/W/F during class
- Requirements:
 - **Students must be able to drive themselves or Parents transport**
 - Must have required immunizations



CC Locations:

- Sierra Pacific Orthopedic Center
- Goodfellows OT
- Jared Mosley DDS
- Clovis Community Hospital
- Physiomotion PT
- Thompson PT
- Robert Pauline PT
- Thrive PT
- Fresno PT
- The Heart Group
- Central Valley Women's Health Associates
- Cedarbrook
- Home and Health Hospice
- Schroeder Chiropractic Center

Medical Health and Wellness – Senior Course

- **Senior Class**
- **Double period** (1 & 2 period)
- **Replaces PE**
- **Dual Enrollment (3 Units)**
 - Medical Terminology offered through CCC



Course Content

- Infections, diseases and bloodborne pathogens
- Anatomy
- Nutrition
- Vitals, First Aid, CPR (certificate)
- Therapeutic modalities/Alternative Medicine
- Medical Triage
- Career readiness/Resume building



Community Classroom

- Requirements:

- **Students must be able to drive themselves or Parents transport**
- Must have required immunizations

- Locations:

- Clovis Community Hospital
- The Heart Group
- Valley Skin Institute
- Valley Children's Hospital
- Private practice medical offices
- Windham senior living



How to register for CTE:



CN CTE Patient Care Application (due 1/27/23):

<https://cnec.cusd.com/CARTCTEROP.aspx>



Select your desired CTE program on your google registration form



CTE course offerings are not guaranteed, have an alternate elective option

EXPLORE ALL OF CLOVIS UNIFIED'S CAREER TECHNICAL EDUCATION PATHWAYS IN ONE NIGHT!



We're here to help you be
College and Career Ready!

Tuesday, January 24, 2023
6:00pm-8:00pm
CVMD - Ballroom

Career Technical Education



Clovis Unified School District

UPCOMING EVENTS:

CTE Daytime Field Trip

- January 24, 9:00-11:30 AM
- (Limited Seating, permission slips in the back or sign-up in the Counseling Center)

CTE Night

- January 24, 2023, at 6:00-8:00 PM
- Veterans Memorial Bldg.