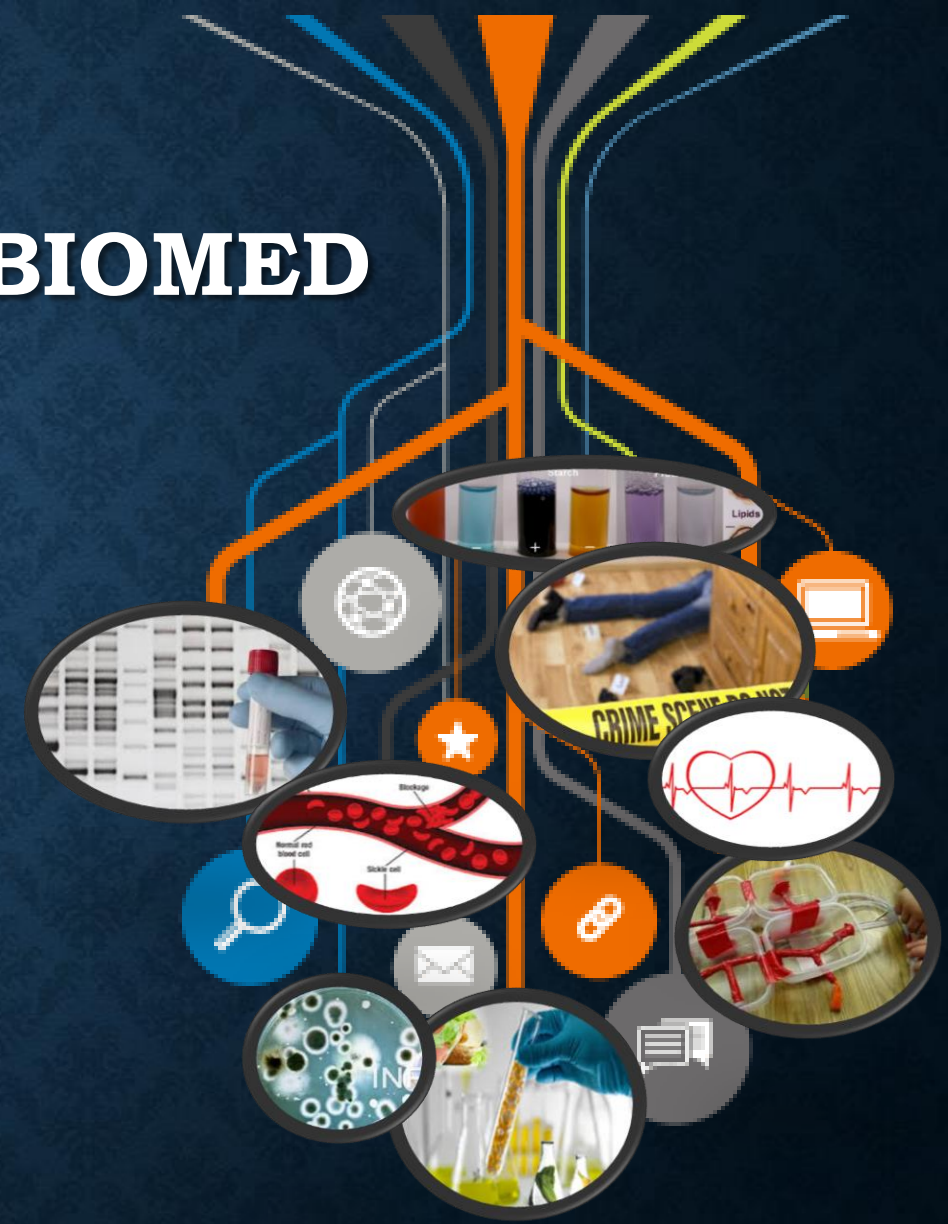# CASTEEL HIGH SCHOOL

Career and Technical Opportunities

FEATURES OF CCHS BIOMED

- **Solve A Mysterious Death!** – topics
  - CSI – studying a crime scene
  - Diabetes – how sugar is processed in your body
  - Food science – how do we get macromolecules
  - Heart disease – how your circulatory system works
  - Sickle cell disease – how genetics affect your blood
  - Infectious disease – how does our body defend against diseases

- **Develop Your Abilities** – skills
  - Become proficient at using Microsoft Office Online
  - Become proficient at using lab equipment
  - Become familiar with basic skills in lab, medical, and forensics

- **Buff Up Your Resume!** – opportunities
  - Get OSHA or BACE certified
  - Get a volunteer or internship with your future career
  - Win events at HOSA AZ

Casteel Culinary-Learn the art of food preparation, and necessary workplace skills.

COLTS SPORTS MEDICINE

HANDS-ON, REAL-WORLD EXPERIENCE!

WHAT IS SPORTS MEDICINE?

SPORTS MEDICINE IS A CTE (CAREER & TECHNICAL EDUCATION) PROGRAM THAT PROVIDES STUDENTS A COMPREHENSIVE FOUNDATION OF CONCEPTS AND PRACTICES ASSOCIATED WITH THE AREA OF SPORTS MEDICINE AND ATHLETIC TRAINING. STUDENTS WILL BE EXPOSED TO TOPICS INCLUDING HISTORY OF ATHLETIC TRAINING, ETHICAL & LEGAL PRACTICES, ANATOMY & PHYSIOLOGY, PREVENTION AND TREATMENT OF ATHLETIC INJURIES AND AILMENTS, REHABILITATION OF ATHLETIC INJURY, FIRST AID, CPR AND AED, ADMINISTRATION OF AN ATHLETIC TRAINING PROGRAM, AND OTHER PROFESSIONS RELATED TO THE FIELD OF SPORTS MEDICINE.

HOW DO YOU GET STARTED WITH CASTEEL SPORTS MEDICINE? WHAT ARE THE BENEFITS?

Speak with your counselor and request Sports Medicine as an ELECTIVE!

Become CPR/AED and First Aid Certified!

Become a Sports Medicine Student Aide and help with after school COLTS ATHLETICS!!!

Earn Community Service Hours!

Interact with professionals in the medical field!

FIELD TRIPS!!!

AND...Make Life-Long CONNECTIONS!!!

DIGITAL PHOTOGRAPHY I & II

- WORK WITH DSLR CAMERAS AND OTHER HIGH END PHOTOGRAPHY EQUIPMENT

- LEARN PHOTOGRAPHY SKILLS SUCH AS ELEMENTS/PRINCIPLES OF DESIGN AND COMPOSITION

- LEARN INDUSTRY STANDARD SOFTWARE SUCH AS PHOTOSHOP AND LIGHTROOM

- HAVE AN OPPORTUNITY TO BE INVOLVED IN PHOTOGRAPHY CLUB AND TAKE PROFESSIONAL PICTURES AT SCHOOL/COMMUNITY FUNCTIONS

- TAKE FIELDTRIPS AROUND THE STATE OF ARIZONA TO EXPERIENCE MAN-MADE AND NATURAL ENVIRONMENTS

- HAVE FUN AND LEARN THE LIFELONG SKILL OF PHOTOGRAPHY

MARKETING

Course Sequence: Marketing I → Marketing II → School Based Enterprise

Course Content Includes:
- Promotion/Advertising
- Brand Management
- Economics
- Finance
- Leadership
- Management
- Consumer Behavior
- Legal/Ethical Issues
- Entrepreneurship
- Selling
- Market Research
- Digital Marketing/Social Media
- Event Planning
- Professionalism
- Presentations/Public Speaking

Hands On Experience:
Students will put classroom lessons into practice as they assist in running "Colts Corner" – our school store. Selling merchandise, handling cash flow, overseeing visual merchandising, and more will help students prepare to be skilled employees in any career they pursue.

Organization Involvement:
All Marketing students are also a part of DECA – an organization that prepares emerging leaders and entrepreneurs in marketing, finance, hospitality, and management in high schools and colleges around the globe. DECA offers in class and off campus experiences to apply knowledge to solve real world problems, develop professional and leadership skills, network with industry professionals and other motivated students, and the chance to be recognized with awards and scholarships!

TECHNICAL THEATRE

MARKETING/MANAGEMENT

COSTUMES

HAIR/MAKEUP

SCENERY/PROPS

LIGHTING/SOUND

This course is designed to introduce students to the basic fundamentals of theater production. This hands-on program includes instruction in set design, set construction, scenic painting, lighting design, costume design and construction, theatrical make-up, audio engineering, rigging and production management. Students will serve as a member of a production crew. Technical Theatre 1 requires students to participate in theater production activities after school, evenings and weekends.
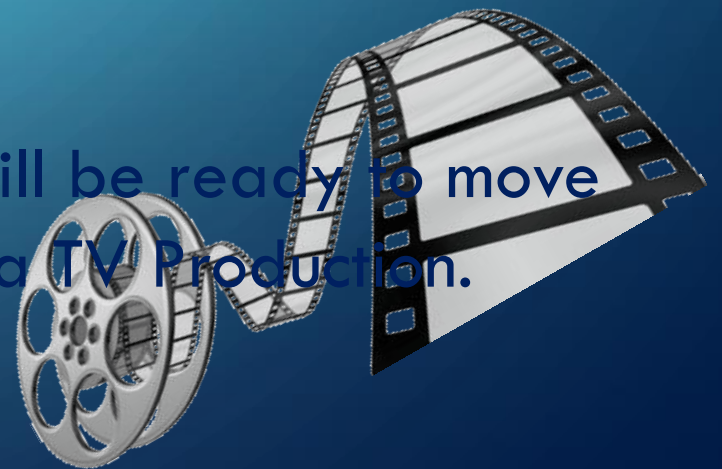
Early Childhood Education and CDA Programs

- Work with students in grades pre-school through eighth grade through weekly internship opportunities

- Create lessons and activities for students in pre-school through 3rd grade

- Participate in the Reality Baby Project

- Obtain your Paraprofessional Certificate to work in elementary schools

MULTIMEDIA AND FILM I

This is an exciting hands-on class that provides the student with the fundamental concepts of video production. Students learn how to operate digital video cameras, video mixers, audio mixers, Macintosh computers and nonlinear editing software to develop their videos into short films, commercials, and documentaries. Students also view current and classic films to learn about filming concepts and techniques.

After the completion of this course students will be ready to move right into Multimedia and Film II and/or Media TV Production.

MULTIMEDIA AND FILM II

Students enrolled in this course will build on their production experience by producing news programs, commercials, public service announcements, highlight reels and fiction pieces among other projects. In addition students will learn how to perform live event production. Students will learn how to live-stream events via the Internet. They will learn techniques of field production including, preproduction, production, and post-production. This could include producing student athletic events, student performing art events, and/or other school events. Multimedia and Film II may require out of classroom participation including after school, evening, and Saturdays.

DIGITAL MEDIA

This course allows 7th and 8th grade students to express themselves creatively through digital media. We will explore graphic design, character design, image editing, typography and more through several innovative projects. The software used in this course includes the industry standards of Adobe Photoshop or Paint.net, Adobe Illustrator or Inkscape. Students learn the fundamental basics of design, illustration, and image manipulation.

PROJECT LEAD THE WAY

Project-based Learning Courses
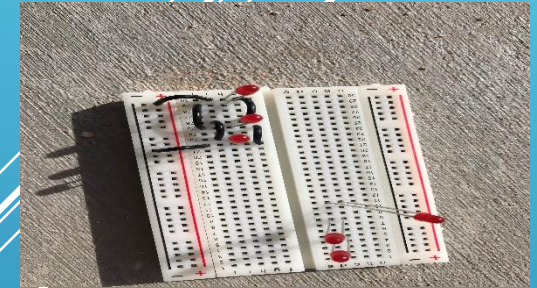
PLTW PRE-ENGINEERING PROGRAM AT CCHS

Four year program in which students learn the basics of engineering through hands-on projects. Are honors classes and can be taken for dual credit through Chandler Gilbert Community College.

Freshman Year: Honors Introduction to Engineering Design (Dual Credit CGCC)

Sophomore Year: Honors Principles of Engineering (Dual Credit CGCC)

Junior Year: Honors Digital Electronics (Dual Credit RIT)

Senior Year: Honors Engineering Design and Development Capstone Class

(Only offered at Casteel)

Computer Science Options

- AP CS Principles → AP CS A(Java) OR → Cybersecurity!!

- Learn to code and create pictures and apps

- Solve real world problems

- Guest speakers from industry and universities – Field Trips and competitions

- NO Experience Necessary

- 1.4 million in the computer science field

- Projected Cyber job openings in 2020 ~ 1million

You use technology every data – make it work for you!

We are all DESIGNERS!

The Flag by Cameron N

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Java

JavaScript