

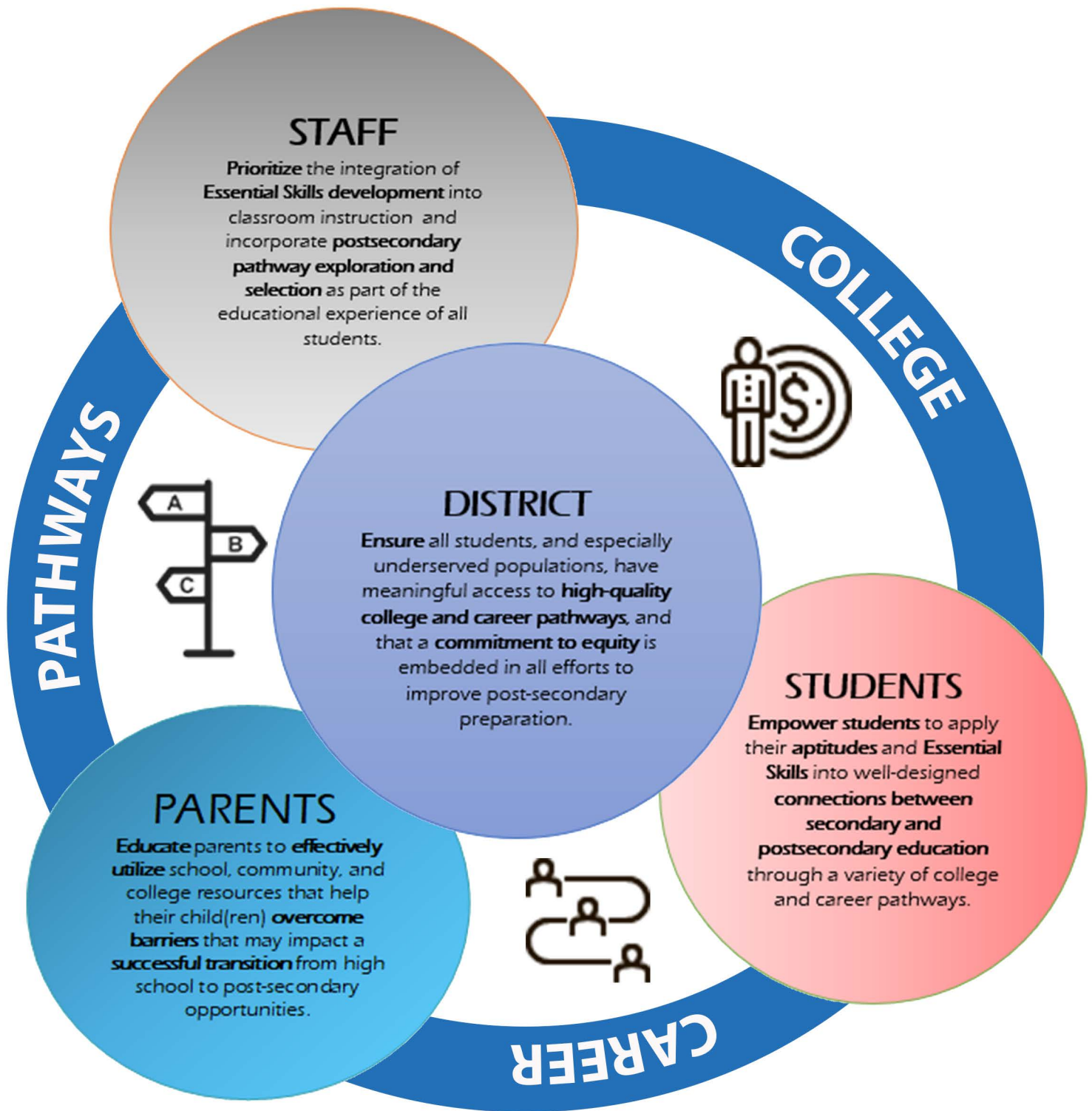
College & Career Readiness

Educating with FUTURES in mind



Fountain-Fort Carson School District 8

Vision



College & Career Readiness

Educating with FUTURES in mind

Programs Offered

Advanced Placement

Advancement Via Individual Determination (AVID)

Alternative Cooperative Education

Army Junior ROTC

Audio/Video Production

Biomedical Science

Business/Marketing

Computer Science

Culinary & Hospitality

Education & Training

Engineering

Graphic Design

Skilled Trades



COLLEGE & CAREER & READINESS

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FOUNTAIN-FORT CARSON
SCHOOL DISTRICT 8

The impact of PWR

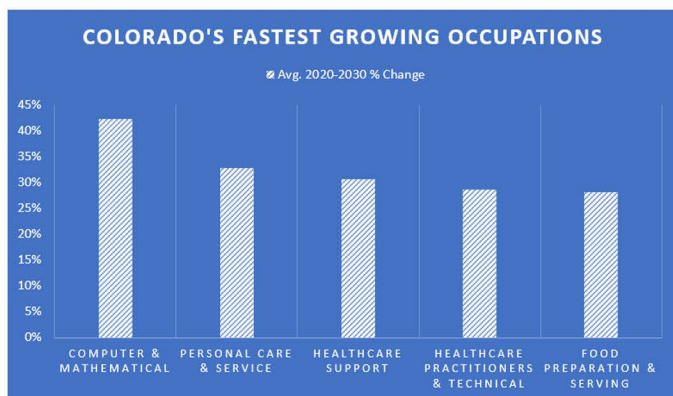
3X CTE learners and parents are 3x greater to report their satisfaction in their ability to learn real world skills than non-CTE students and parents.



CO TOP 5 IN-DEMAND INDUSTRIES:

- Nursing and related Healthcare Occupations
- Information Technology, Computer Science, Cybersecurity
- Skilled Trades and Technical Sciences in Advanced Manufacturing and Construction
- Culinary Arts and Hospitality Occupations
- Business Operations and Customer Service

FASTEST GROWING INDUSTRIES IN COLORADO:



IN DEMAND PROFESSIONAL SKILLS



This program has strategies in place to ensure that no student is unlawfully: Discriminated against on the basis of age, race, ethnicity, religion, color, national origin, sex, or disability in its activities or programs as required by Title VI, Title IX, and Section 504. Age Discrimination Act, and Title II of the ADA. Denied an equal opportunity to benefit from occupational education solely on the basis of race, ethnicity, color, religion, national origin, sex, age, or disability. Additionally, CTE staff work with students identified as Special Populations (including students with disabilities and English Language Learners) to provide appropriate assistance to students so that they may participate in approved CTE programs as fully as possible.



Advanced Placement (AP)

Advanced Placement (AP) is a program of classes developed by College Board to give high school students an introduction to college-level classes and also gain college credit before even graduating high school. AP exams are given to test students on the content learned throughout their courses. Students receive college credit when they meet the threshold score.

Why Take AP Classes?

High schoolers take AP classes for several reasons. AP courses are designed as college level courses to offer students the opportunity to earn college credits before they leave high school. Most AP students enroll in college with required credit requisites completed so they can skip introductory courses (and the cost) during their first years of college. AP courses support students in their ability to open up time on their schedule or even graduate early. AP courses on a transcript demonstrate a motivation to succeed and the ability to complete college-level work. This, in turn, makes a student's college application stand out because of their proven ability to complete college-level work.

AP Courses offered at:

Fountain-Fort Carson High School
Welte Education Center

COLLEGE & CAREER & READINESS

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FOUNTAIN-FORT CARSON
SCHOOL DISTRICT 8

The impact of AP

2021-2022 School Year

399 Students enrolled in AP courses

15 AP Courses Offered

234 College credit eligible students

National AP stats

85% of students who enroll in AP courses enroll in college. More than 1.24 million students who graduated from American high schools in 2018 took a total of 4.22 million AP Exams. That is an increase of 65% over the number of students who took part in 2008.

The percentage of students from low-income families taking part in the AP program has doubled in the last decade, with 30.8% of participants in 2018 coming from low-income families.



**INTERESTED IN ENROLLING?
CONTACT YOUR COUNSELOR**



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AVID

Advancement Via Individual Determination (AVID), is an “untracking” program designed to help underachieving students with high academic potential prepare for entrance to colleges and universities. The AVID approach to untracking places previously underachieving students (who are primarily from low income and ethnic or linguistic minority backgrounds) in the same college preparation academic program as high-achieving students (who are primarily from middle or upper-middle income and “majority” backgrounds). There is an application process to be accepted into AVID.

AVID features a rigorous academic elective course with a sequential curriculum for grades 7 through 12 that focuses on writing, inquiry, and collaboration as methodologies to accelerate student progress. Students typically stay in the elective annually after their first year in AVID.

Student Testimonials:

How has AVID impacted your life?

“AVID is a class that helps you focus on the things you want for your life...AVID has impacted me because high school seemed so scary to me until I joined AVID. I was worried about tests, college applications, and so many things. AVID has helped make my high school experience so much better and easier.”

-FFCHS AVID Senior

“AVID has shaped me into a better student through note-taking techniques, organization skills and collaboration activities. Tutorials helped me collaborate with my group members to answer our questions. It is an amazing program that will make your high school years pass smoothly.”

- FFCHS Sophomore

AVID Courses offered at:

Carson Middle School
Fountain Middle School
Fountain-Fort Carson High School

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SCHOOL DISTRICT 8

The impact of AVID

AVID Gender

Gender	Number of Students	Percent
Female	96	55.8%
Male	76	44.2%
Totals	172	100.0%

AVID Enrollment

Grade	Number Students
09	53
10	47
11	32
12	40
Totals	172

AVID Ethnicity

Ethnicity	Number Students	Percent
Hispanic	48	27.9%
Am Indian/Alaskan Native	2	1.2%
Black (Not Hispanic)	38	22.1%
Hawaiian/Pacific Islander	3	1.7%
White (Not Hispanic)	59	34.3%
Multiple races	22	12.8%
Totals	172	100.00%

80% of current AVID seniors in the district were accepted into a college in the 2020-2021 school year

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SCHOOL DISTRICT 8

ACE CTE

Alternative Cooperative Education (ACE) Career & Technical Education (CTE) is a multi-occupational pathway that facilitates individualized programming to support students' development of both professional skills and technical skills. Through ACE, students learn how to get a job, keep a job, and move up in a job. ACE programming also focuses on life skills. This includes how to rent an apartment/house, buy a car, and be responsible with personal finance. ACE develops and refines skills necessary to be successful in life. ACE programming also includes opportunities for students to work, with feedback on their performance, to support their professional skill growth and employability. This is facilitated through in-school jobs, school-based business enterprises, and jobs within the community. It is recommended for students to take ACE along with other CTE classes in order to learn the necessary professional skills to be successful, along with technical skill attainment within the corresponding pathway.



ESTIMATED SALARIES

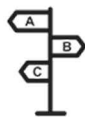
ENTRY LEVEL \$ ≥ State Minimum Wage

EXPERIENCED \$ ≥ High Wage, In-demand Industry



RELATED JOB TITLES

ACE is multi-occupational. All career roles may be addressed.



POTENTIAL INDUSTRIES

ACE CTE teaches the necessary professional skills that are relevant in all occupations. ACE CTE courses offer opportunities for students to learn how to get a job, keep a job, and move up in a job through professional skill development.

**INTERESTED IN ENROLLING?
CONTACT YOUR COUNSELOR**



Pathway Courses: Career Development-Career Planning, and Job Seeking, Success Foundations, Success Systems, Postsecondary Workforce Readiness (PWR) Applications, In-School Work-based Learning, Community Work-based Learning, Business Management & Entrepreneurship, Computer Literacy: Software Applications

CTE Student Organization (CTSO): Students can join the (SC²) student organization. CTOS provide development of workplace and leadership skills, and experiential learning opportunities to compete in their areas of expertise, and prepares students to enter into their chosen career pathway.

ACE Courses offered at:

Fountain-Fort Carson High School



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SCHOOL DISTRICT 8

The impact of JROTC

The FFCHS JROTC teams are some of the most successful among athletics, clubs, and activities in the district. Below are a few of the most recent recognitions and awards:

- 2017, 2020 1st place Cyberpatriot Service Gold Tier All Service Category
- 2017, 2018 Colorado JROTC and CMP Sate Precision AR Champions
- 2019 US Army JROTC Service AR Champions

Army Junior ROTC

The U.S. Army Junior Reserve Officer Training Corps (JROTC) is a program offered at the high school that teaches students character education, student achievement, wellness, leadership, and diversity. It is a cooperative effort between the U.S. Army and Fountain-Fort Carson High School to produce successful students and citizens, while fostering a constructive and disciplined learning environment. The outcomes of the JROTC program are:

- Act with integrity and personal accountability as they lead others to succeed in a diverse and global workforce
- Engage civic and social concerns in the community, government, and society
- Graduate prepared to excel in post-secondary options and career pathways
- Make decisions that promote positive social, emotional, and physical health
- Value the role of the military and other service organizations

Army ROTC (not JROTC) offers college scholarships to Cadets who qualify for their scholarship program.

JROTC Courses offered at:

Fountain-Fort Carson High School



ESTIMATED SALARIES

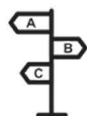
ENTRY LEVEL \$22,000/YR

EXPERIENCED \$41,000+/YR



RELATED JOB TITLES

Biomedical Equipment Specialist, Combat Medic Specialist, Counterintelligence, Cyber Operations, Electronic Warfare Specialist, Artillery Mechanic, Driver, Combat Engineer, Geospatial Engineer



POTENTIAL INDUSTRIES

Engineering, Technology, Human Resources, Cyber Security, Medical

INTERESTED IN ENROLLING?
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SCHOOL DISTRICT 8

AUDIO/VIDEO PRODUCTION

Lights! Camera! Action! Audio/Video Production is a hands-on class to learn foundational skills key to the video production industry. If students are interested in learning tips and tricks that will support their ability to create a quality film to support a message they want to share, this is a fantastic program of study! Students should sign up for video production courses to learn how to write, direct, film, edit, and market! Students will also film and edit performing arts productions, sports events, and schoolwide video news through the Trojan News Network and Trojan Sports Network. This program teaches the basics of video production and enhances students ability to produce short films to help develop a portfolio and build a film resume.

Pathway Courses: Introduction to Film; Audio & Video Production I & II; Advanced Video Production; Trojan News; and Work-Based Learning: Digital Media & Communications; Trojan Sports Network

Advanced Credit: College credit available through Pikes Peak Community College for respective courses.

CTE Student Organization (CTSO): Students can join the SkillsUSA student organization. CTSOs provide development of workplace and leadership skills, experiential learning, opportunities to compete in areas of expertise, and prepares students to enter into chosen career pathways.

Audio/Video Courses offered at:

Carson Middle School
Fountain Middle School
Fountain-Fort Carson High School



ESTIMATED SALARIES

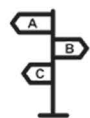
ENTRY LEVEL \$30,000/YR

EXPERIENCED \$90,700+/YR



RELATED JOB TITLES

Studio/Field Camera Operator, Producer, Editor, Director, Freelance Production Specialist, etc.



POTENTIAL INDUSTRIES

Broadcast Television, Film Production, Video Production, Wedding Videography, Corporate Video Production, Marketing, Commercial Production, etc.

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SCHOOL DISTRICT 8

PLTW BIOMEDICAL SCIENCE

Whether discovering new cancer treatments or teaching healthy lifestyle choices to their communities, today's biomedical science professionals are tackling big challenges to make the world a better place. Project Lead The Way (PLTW) Biomedical Science students are taking on these same real-world challenges - and they're doing it before they even graduate high school! Working with the same tools used by professionals in hospitals and labs, students engage in compelling, hands-on activities and work together to find solutions to problems. Students take in-demand knowledge and skills from the courses they will use in high school and on any chosen career path.

Pathway Courses: Anatomy and Physiology; PLTW Principles of Biomedical Science; PLTW Human Body Systems; PLTW Biomedical Innovations; PLTW Medical Interventions

CTE Student Organization (CTSO): Students can join the HOSA - Future Health Professionals student organization. CTSOs provide development of workplace and leadership skills, experiential learning, opportunities to compete in areas of expertise, and prepares students to enter into their chosen career pathway.

PLTW Biomedical Science Courses offered at:

Fountain Middle School
Fountain-Fort Carson High School
Welte Education Center



ESTIMATED SALARIES

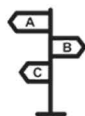
ENTRY LEVEL \$45,000/YR

EXPERIENCED \$100,000+/YR



RELATED JOB TITLES

Doctor, Nurse, Veterinarian, Physical Therapist, Phlebotomist, Forensic Scientist, Athletic Trainer, Biomedical Engineer, etc.



POTENTIAL INDUSTRIES

Medical Research Institutes, Robotic Surgery & Medical Equipment Companies, etc.

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SCHOOL DISTRICT 8

BUSINESS/ MARKETING

A large percentage of youth aspire to start their own business and be an entrepreneur. Our business and marketing program is perfect for individuals with a creative and entrepreneurial spirit. Students will learn about business management, entrepreneurship, accounting, advertising, social media in business, and other related careers. Students can develop skills, through work-based learning and learn about personal and professional finances. Students participate in Distributive Education Clubs of America (DECA) and/or FBLA (Future Business Leaders of America), which offer opportunities to learn effective leadership skills and how to run a successful business. Students will have opportunities to enhance their learning through internships and working with industry professionals to discover their niche and refine their employability skills before they even graduate.

Pathway Courses: Business Communications; Event Marketing (Sports and Entertainment); Principles of Marketing; Principles of Advertising; Social Media for Business; Accounting Principles; Legal Environment of Business; Ethical Leadership; School-Based Enterprise; Operations Management & Retail; Project Management in Organizations & Management in Action; Work Based Learning

CTE Student Organization (CTSO): Students are required to participate in DECA and/or FBLA (Future Business Leaders of America). CTOS provide students opportunities to develop workplace and leadership skills, through experiential learning, and events to compete in areas of expertise.

Business/Marketing Courses offered at:
Carson Middle School
Fountain Middle School
Fountain-Fort Carson High School



ESTIMATED SALARIES

ENTRY LEVEL \$31,000/YR

EXPERIENCED \$201,000+/YR



RELATED JOB TITLES

Business Owner, Administrative Assistant, Accountant, Customer Service Representative, Marketing Analyst, Office Manager, Marketing Director, Finance Planner, Brand Manager, Chief Financial Officer, Chief Executive Officer, Social Media Marketing Manager, etc.



POTENTIAL INDUSTRIES

Advertising, Large & Small Business Corporations, Banks, Accounting Firms, Social Media, Public Relations, etc.

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SCHOOL DISTRICT 8

COMPUTER SCIENCE

Our world is dependent on computer technology and therefore, there are innumerable careers in this field. These include networking systems into spaces, virtual and nonvirtual, coding, programming, cybersecurity, engineering, and more. Computers are the drivers behind nearly every technological advancement of the last few decades - from smartphones to solar panels. Students get a head start with their career in Computer Science by learning the necessary skills to work with hardware, software, networking, and security. These classes are foundational in teaching students the skills they need to earn industry-recognized certifications so that they can start working in the computer science industry even before they graduate high school.

Pathway Courses: Intro to Computer Programming; Design and Modeling; App Creators; Automation and Robotics; Intro to Cybersecurity; Cyber Patriot; Coding Computer Science Foundations; Computer Systems; Networking; Computer Science Principles; IT Clinical Internship

Advanced Credit: AP Computer Science Principles

Certifications: Python Coding Apprentice

CTE Student Organization (CTSO): Students in this pathway are able to join the Technology Student Association (TSA) CTSO as well as compete in related competitions. CTSOs provide development of workplace and leadership skills, experiential learning, opportunities to compete in areas of expertise, and prepares students to enter into their chosen career pathway.

Computer Science Courses offered at:

Carson Middle School
Fountain Middle School
Fountain-Fort Carson High School
Welte Education Center



ESTIMATED SALARIES

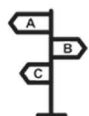
ENTRY LEVEL \$38,344/YR

EXPERIENCED \$120,000+/YR



RELATED JOB TITLES

Help Desk Technician, Network Technician, Technical Support Analyst, IT Consultant, Information Security Specialist, Programmer, Cyber Security Analyst



POTENTIAL INDUSTRIES

Communication Industries, Enterprise Corporations, Schools, Large & Small Businesses, Government Agencies, etc.

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CULINARY & HOSPITALITY

Hospitality and Tourism is the 3rd largest industry in the United States; it is a leading industry in Colorado Springs. People travel from all around the world to see where we live! The culinary and hospitality pathway will teach the foundational skills to be successful in the culinary world. Students learn the basics in knife skills; culinary skills in creating sauces, baking breads, and more; developing menus with thought to nutrition; and food sanitation to include local and state regulations. All students will have the opportunity to earn the industry-recognized ServSafe certification to give them a leading edge in this industry. Our district has partnered with renowned chefs to offer a program that is in tune with what the industry needs and offer opportunities for students to graduate already working in the culinary and hospitality business.

Pathway Courses: Culinary Essentials 1 & 2; Culinary Arts; Work-Based Learning Family and Consumer Science (FACS)

Advanced Credit: College credit through Pikes Peak Community College can be earned in Culinary Arts

Certifications: ServSafe - Food Handlers

CTE Student Organization (CTSO): Students can join the Family, Career and Community Leaders of America (FCCLA) student organization. CTOS provide development of workplace and leadership skills, experiential learning, opportunities to compete in areas of expertise, and prepares students to enter into chosen career pathways.

Culinary & Hospitality Courses offered at:
Fountain-Fort Carson High School
Welte Education Center



ESTIMATED SALARIES

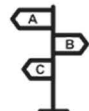
ENTRY LEVEL \$31,000/YR

EXPERIENCED \$99,000+/YR



RELATED JOB TITLES

Food Service Management, Pastry Chef, Baker, Caterer, Restaurant and Resort Management, Sous Chef, Chef, etc.



POTENTIAL INDUSTRIES

Hospitality Industry, Restaurant Ownership & Management, Establishments requiring experienced Chefs, etc.

INTERESTED IN ENROLLING?
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SCHOOL DISTRICT 8

EDUCATION AND TRAINING

Educators have an opportunity to have a compelling and lasting impact on the lives of their students. There are so many rewards to working within the education field. The contributions of educators truly matter. Fountain-Fort Carson District 8's education and training pathway prepares students to be effective professionals in one of the most important careers in the world! Courses cover the foundations of teaching within a range of education careers, including pre-kindergarten, elementary, and high school. This addresses specific disciplines in community education, workforce training, early childhood education, child development, and mental health principles. Students receive hands-on learning experiences to gain real insight to the promising practices that are effective in this field.

Pathway Courses: Early Childhood Education 101, ECE 102 Introduction to Early Childhood Lab Techniques, Teacher Cadet 1 & 2

Advanced Credit: College credit available through Pikes Peak Community College in Early Childhood Education and CSU-Pueblo in Teacher Cadet.

CTE Student Organization (CTSO): Students can join the Family, Career and Community Leaders of America (FCCLA) student organization. CTOS provide development of workplace and leadership skills, experiential learning, opportunities to compete in areas of expertise, and prepares students to enter into their chosen career pathway.

Education and Training Courses offered at:
Fountain-Fort Carson High School



ESTIMATED SALARIES

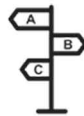
ENTRY LEVEL \$32,000/YR

EXPERIENCED \$100,000+/YR



RELATED JOB TITLES

Educator, Social Worker, Counselor, Human Development and Mental Health Consultant, Nutritional Consultant, Administrator, etc.



POTENTIAL INDUSTRIES

School Systems, Government Agencies, Community Centers, Day Care Centers, Family Service Agencies, Childcare Education, etc.

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SCHOOL DISTRICT 8

PLTW ENGINEERING

Careers in engineering have been integral in our world from launching space explorations to delivering safe, clean water in our communities. Project Lead The Way (PLTW) Engineering students become tomorrow's problem solvers today! PLTW Engineering empowers students to find solutions by adopting a problem-solving mindset and make the leap from dreamer to doer. Critical thinking skills are a hot commodity in the industry. Our engineering programs of study will help students become better collaborators and thinkers by engaging them in compelling, real-world challenges.

Pathway Courses: PLTW Energy and the Environment, Robotics, Basic Flight Concepts, Science of Technology, Introduction to Engineering Design, Engineering Design and Development, Aerospace Engineering, Principles of Engineering

CTE Student Organization (CTSO): Students can join the Technology Student Association (TSA) student organization. CTSOs support the development of workplace and leadership skills, experiential learning, opportunities to compete in areas of expertise, and prepares students to enter into their chosen career pathway.

PLTW Engineering Courses offered at:

Carson Middle School
Fountain Middle School
Fountain-Fort Carson High School



ESTIMATED SALARIES

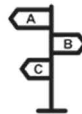
ENTRY LEVEL \$41,600/YR

EXPERIENCED \$137,000+/YR



RELATED JOB TITLES

Aerospace, Chemical, Civil, Electrical, Environmental, Industrial, Manufacturing, Mechanical, Nuclear, Petroleum, Computer Science Engineer, etc.



POTENTIAL INDUSTRIES

Communication Industries, Medical Imaging, Power Companies, Construction Firms, Robotic/Computer Networking Companies, etc.

**INTERESTED IN ENROLLING?
CONTACT YOUR COUNSELOR**



This program has strategies in place to ensure that no student is unlawfully: Discriminated against on the basis of age, race, ethnicity, religion, color, national origin, sex, or disability in its activities or programs as required by Title VI, Title IX, and Section 504. Age Discrimination Act, and Title II of the ADA. Denied an equal opportunity to benefit from occupational education solely on the basis of race, ethnicity, color, religion, national origin, sex, age, or disability. Additionally, CTE staff work with students identified as Special Populations (including students with disabilities and English Language Learners) to provide appropriate assistance to students so that they may participate in approved CTE programs as fully as possible.

COLLEGE & CAREER & READINESS

Educating with FUTURES in mind

FOUNTAIN-FORT CARSON
SCHOOL DISTRICT 8

GRAPHIC DESIGN

Graphic design is everywhere! Students will learn current trends in graphic design to support their ability to have a competitive edge in this popular industry. Students will work with software used by leading graphic artists to communicate their message. This includes tools in the Adobe Creative Cloud using applications such as Adobe Photoshop, Adobe Illustrator, and more. Our graphic design classes work with materials and use methods from graphic design and multimedia industries. Students will create a digital portfolio to exhibit creativity. Students also will have opportunities to mix and mingle with artists within the industry so that they may have a real-world view of how to be successful in this career pathway.



ESTIMATED SALARIES

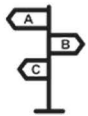
ENTRY LEVEL \$29,470/YR

EXPERIENCED \$104,140+/YR



RELATED JOB TITLES

Graphic Designer, Commercial Art Director, Multimedia Artist/Animator, Web Designer & Developer, Game Designer, etc.



POTENTIAL INDUSTRIES

Internet & Software Development, Advertising Firms, Television Studios, Video & Design Production, Corporate Branding, Video Game Production, etc.

Pathway Courses: Journalism, Digital Art, Digital Photography, Desktop Publishing, Graphic Design, Practicum in Graphic Arts

Advanced Credit: College Credit available through Pikes Peak Community College

CTE Student Organization (CTSO): Students can join the Technology Student Association (TSA). CTSOs provide development of workplace and leadership skills, experiential learning, opportunities to compete in areas of expertise, and prepares students to enter into their chosen career pathway.

Graphic Design Courses offered at:

Carson Middle School
Fountain Middle School
Fountain-Fort Carson High School



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SKILLED TRADES

The skilled trades industry is booming. It is a great industry to explore if students enjoy hands-on learning. Within this industry, students can learn on-the-job or get paid to earn the certifications, degrees, and/or credentials to earn promotions in their job. One bonus to this industry is that there is always a need for people in skilled trades. There are over 82 trades alone needed to build a single-family home. Some of the skills students can learn are used in industries such as carpentry, electrical, plumbing, and welding.

Pathway Courses: Welding and Metal Fabrication, Woods and Furniture Building, Woodworking and Construction, Exploratory Woodworking

CTE Student Organization (CTSO): CTSOs provide development of workplace and leadership skills, experiential learning, opportunities to compete in areas of expertise, and prepares students to enter into their chosen career pathway. Students can also join the Technology Student Association (TSA).

Skilled Trades Courses offered at:

Carson Middle School
Fountain Middle School
Fountain-Fort Carson High School



ESTIMATED SALARIES

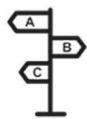
ENTRY LEVEL \$30,000/YR

EXPERIENCED \$90,000+/YR



RELATED JOB TITLES

Small Engine Mechanic, Diesel Mechanic, Outdoor and Power Equipment Technician, Power Equipment Operator, Heavy Equipment Operator, Fleet Manager, Sheet Metal Worker, Structural Welder, Metal Fabricator, Pipeline Welder, Pipeline Inspector, Mechanical Engineer



POTENTIAL INDUSTRIES

Construction, Manufacturing, Sheet Metal, Outdoor Power Equipment, Heavy Equipment, Trucking, Energy, Landscape and Irrigation

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