Enrollment Process

**STEP 1:** Choose course from Career and Technical Education (CTE) Course Catalog. Make sure you meet the course requirements. Some courses require additional steps.

**STEP 2:** Complete on-line application with your parents found at www.cherrycreekschools.org/CTE. If you have any questions, please see your HS Counselor or call the CTE office at 720-554-4551. Applications must be received by Friday, March 3, 2017.

**STEP 3:** Complete and submit any additional requirements described in catalog course descriptions.

**STEP 4:** Counselors will receive on-line recommendation request upon submission of your application. Your application is not complete until recommendation and any additional steps are received.

Course times are based on current information and are subject to change.

**APPLICATION DUE:** FRIDAY, MARCH 3, 2017

**CONCURRENT ENROLLMENT**

Many of the courses Cherry Creek CTE offers are “Concurrent Enrollment” courses.

The Concurrent Enrollment Program creates options for students still in high school. CCSD students receive both high school credit and college credit for Concurrent Enrollment classes. It prepares students for the rigor and culture of college. Students begin building a college transcript while they complete their high school graduation requirements. Students must receive a grade of C or better to receive transferable college credit. College credits may transfer to a two or four-year college or university. Students should check with the accepting institution for credit acceptance.

Tuition is paid by Cherry Creek Schools and the College Opportunity Fund. All students must apply for College Opportunity Fund (COF). The COF stipend pays a portion of a student’s tuition. All students must complete an application for the COF at: https://cof.college-assist.org.
AUTOMOTIVE TECHNOLOGY I

OPEN TO GRADES: 10, 11, 12  LENGTH: 1 year
CREDITS: 1  FEES:
TRANSPORTATION: Own
LOCATIONS/TIMES:
Overland HS: 1:06-2:45 B Days M, T, Th, F, 1:16 - 2:45 W
Smoky Hill HS: 12:55-2:30 B Days M, T, Th, F, 1:05-2:30 W

This course teaches the principles and fundamentals of automotive systems and the safe use of hand and power tools, instruments, and test equipment. A full year of study involves the following systems: cooling, power train, brakes, lubrication, alignment, starting/charging, electrical, ignition, fuel, and suspension systems. Emphasis is placed on safe working practices, preventive maintenance, basic trouble shooting/diagnosis, and tune-up procedures. These will take place through classroom and laboratory learning experiences.

AUTOMOTIVE TECHNOLOGY II

OPEN TO GRADES: 11, 12  LENGTH: 1 Year
CREDITS: 1  FEES: $50
PREREQUISITES: Automotive Technology I
TRANSPORTATION: Own
LOCATIONS/TIMES:
Smoky Hill HS: 7:10-10:27 B Days M, T, Th, F, 7:45-10:42 W
Overland HS: 1:06-2:45 A Days M, T, Th, F, 1:16-2:45 W
Arapahoe Community College: (with CTE Coordinator Approval)

A NATEF certified course for those students interested in the auto mechanics field. It is an in-depth study of the design, maintenance and repair of the automobile. Engine performance and electronics will be highlighted in this class. This course aligns with the Colorado Community College courses ASE 123 Automotive Electrical and ASE 150 Automotive U-Joint & Axle services.

BUILDING PATHWAYS 1

GRADE LEVEL: 11 - 12  LENGTH: SEMESTER
CREDITS: .5  FEES: $20
TRANSPORTATION: OWN
LOCATIONS/TIMES:
Smoky Hill HS: 12:55 – 2:30 B DAYS M, T, TH, F
1:05 – 2:30 W

Building Pathways 1, in partnership with Colorado Construction Institute, will engage students in inquiry based projects to explore careers related to construction. Students will learn how to identify, design, plan, build and evaluate a variety of projects. Students will gain hands on skills used within industry and develop relevant skills in preparation for success in future career paths. The course combines instructional lessons in theory with project based learning.

Students will:
• Develop personal and project specific goals
• Create project concept proposals
• Set total budget, identify cost and allocate resources
• Develop skills for project completion
• Develop a presentation summary
• Evaluate completed project

This program is selective, and additional application materials and an interview are required.

BUILDING PATHWAYS 2

GRADE LEVEL: 11 - 12  LENGTH: SEMESTER
CREDITS: .5  FEES: $20
TRANSPORTATION: OWN
LOCATIONS/TIMES:
Smoky Hill HS: 12:55 – 2:30 B DAYS M, T, TH, F
1:05 – 2:30 W

Building Pathways 2, in partnership with Colorado Construction Institute, builds on Building Pathways 1 to provide experience in residential construction technologies. Students will develop and gain skills and experience through training and completing relevant projects. Topics will include techniques for reading and using blueprints and specifications, development of construction work skills, jobsite safety concerns and procedures, OSHA safety training, and the safety and use of hand and power tools. The coursework and skills gained prepare students for possible industry credentialing and work towards post-secondary certification. Students must have completed Building Pathways 1 as a prerequisite for enrollment.
AVIATION TECHNOLOGY

OPEN TO GRADES: 10-12
CREDITS: 1
TRANSPORTATION: Own
LOCATIONS/TIMES:
Grandview HS: 7:10 – 8:49 A Days M, T, Th, F 7:50 – 9:19 W
OHS/IST Bldg: 7:10 – 8:49 B Days M, T, Th, F 7:50 – 9:19 W

Aviation Technology helps students understand and appreciate all of the facets of the Aviation careers and Aerospace industries of today. Topics range from how to achieve a private pilot license to careers at NASA. Former students are currently employed in careers such as air traffic controllers, airline and military pilots, and aircraft mechanics. Instruction includes lecture, discussion, and computer-based flight simulator programs. This course introduces topics necessary for the FAA Private Pilot Exam. The class also participates in various field trips to places such as Peterson Air Force Base, Centennial Airport, NORAD, and the United Airlines Training flight simulator. An aviation club is also associated with the class.

FEES: $20
LENGTH: 1 year

AVIATION FUNDAMENTALS

OPEN TO GRADE: 11-12
CREDITS: 1
TRANSPORTATION: Own
LOCATION/TIMES:
Metro State University South Metro Campus - 1:20 - 3:00 A Days

Aviation Fundamentals, in partnership with Metro State University, Aviation and Aerospace, includes a study of the airplane and its components, aerodynamics, basic aircraft systems, the airport environment, air traffic control procedures, Federal Aviation Regulations, the basic elements of air navigation including radio navigation, and a review of aviation weather. This college level course is taught by a Metro State University professor and prepares the student for taking the Federal Aviation Administration (FAA) Private Pilot Knowledge Examination. Students will be enrolled in the 6 credit hour Metro State University course Aviation Fundamentals (AES 1100). Students will need to provide their own transportation to the Metro State University South Metro campus. Additional application materials and qualifying scores are required.

FEES: $120
LENGTH: 1 year

CAREER EXPLORATION 1 & 2

OPEN TO GRADES: 11, 12
CREDITS: 1
TRANSPORTATION: Own
LOCATION/TIMES:

Career Exploration is a program designed to connect students with career pathways by partnering with businesses in the community. Through experiences including job readiness training, job tours, job shadowing, career days and internships, students will have the opportunity to explore career pathways and develop work readiness skills.

Goals:
1. Place students in career pathway experiences
2. Prepare students for the workforce
3. Locate entry level job opportunities for high school students approaching graduation
4. Expose students to post high school training in their career interest area
5. Partner with Denver Metro employers to provide work ready employees

FEES: $20
LENGTH: Year

NOTIFICATION OF NONDISCRIMINATION

Cherry Creek School District No. 5 does not discriminate on the basis of race, color, national origin, sex, age, sexual orientation or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. The Cherry Creek School District No. 5 Career and Technical Education Department does not discriminate in enrollment or access to any of the programs available. The lack of English language skills shall not be a barrier to admission or participation in the district’s activities and programs. The Cherry Creek School District also does not discriminate in its hiring or employment practices.

This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator: Ms. Stephanie Davies, District Compliance Officer, Educational Services Center, 4700 S. Yosemite St., Greenwood Village, CO 80111, (720) 554-4471, or directly to the U.S. Department of Education, Office for Civil Rights, Region VIII, Federal Office Building, 1244 North Speer Blvd., Suite #310, Denver, CO 80204.
COMMERCIAL PHOTOGRAPHY

OPEN TO GRADES: 10, 11, 12
LENGTH: 1 year
CREDITS: 1
FEES: $75

This dynamic, hands-on, project-oriented photography class challenges students to think critically, learn professionalism, and produce critically acclaimed art. Assigned projects prepare students to strengthen their creative eye and see life from a different perspective.

Students learn both film & digital photography, use a darkroom, as well as learn the industry standard, professional software: Adobe Photoshop and Lightroom. Students will explore career possibilities, develop a resume, and meet photographers, all while preparing for college and industry.

The course will include understanding the commercial photography business, composition theory, digital ethics, and competition events where students produce a portfolio and earn concurrent enrollment credit. Concurrent Enrollment may be available with Arapahoe Community College’s course MGD 111.

DIGITAL COMMERCIAL PHOTOGRAPHY

OPEN TO GRADE: 10, 11, 12
LENGTH: 1 year
CREDITS: 1
FEES: $75

This class provides each student with a digital DSLR camera to use all year; students will explore the realm of Commercial Photography learning Adobe Photoshop CS6 & Lightroom 4 while producing both individual/team fun projects! This is a great course to learn digital commercial photography with an emphasis of Career & Technical Education theory.

The course will include understanding the commercial photography business, composition theory, digital ethics, and competition events where students produce a portfolio and earn concurrent enrollment credit. Concurrent Enrollment may be available with Arapahoe Community College’s course MGD 111.
Colorado ProStart is a high school hospitality education program of the Colorado Restaurant Association Education Foundation, The Colorado Restaurant Association, and the Colorado Hotel & Lodging Association. ProStart is a two-year foodservice and hospitality management curriculum offered to high school juniors and seniors. Students have the opportunity to earn industry certifications, up to six college credits through Metro State University, receive mentorship from seasoned veterans from the industry, and compete on a culinary or management team at the ProStart competition in the spring for chances to win a variety of scholarships.

For more information on the individual ProStart programs, contact:

Audra Dunleavy - Grandview High School
Program 720-886-6518 or adunleavy@cherrycreekschools.org

Christine Runyan - Smoky Hill High School
Program 720-886-5627 or crunyan@cherrycreekschools.org

### PRO START 1 - CULINARY CAREERS

**OPEN TO GRADES:** 11–12  
**COURSE LENGTH:** 1 year (2 years for full program)  
**FEES:** $50  
**TRANSPORTATION:** Own  
**OPTIONAL FEES:** Concurrent enrollment (3 credits), chef coat, competition  
**PREREQUISITES:** Passed introduction culinary course (or extensive culinary experience that is approved by instructor)  
**LOCATIONS/TIMES:**  
- Grandview HS: 7:10-8:49am B Days, M, T, Th, F, 7:50-9:19 am W  
- Smoky Hill HS: 12:55-2:30pm A Days, M, T, Th, F, 1:05-2:30pm W

In ProStart 1, students will be learning about a variety of topics including: professionalism, leadership, interviewing, food safety and sanitation (they will earn their ServSafe certification which is recognized by industry), communication, stocks, sauces, and soups, potatoes and grains, etc. With successful completion of ProStart 1, students can continue on to ProStart 2. **Additional ProStart application is required.**

### PRO START 2 - HOSPITALITY

**OPEN TO GRADES:** 11–12  
**COURSE LENGTH:** 1 year (2 years for full program)  
**FEES:** $50  
**TRANSPORTATION:** Own  
**OPTIONAL FEES:** Concurrent enrollment (3 credits), chef coat, competition  
**PREREQUISITES:** Passed introduction culinary course (or extensive culinary experience that is approved by instructor)  
**LOCATIONS/TIMES:**  
- Grandview HS: 7:10-8:49am B Days, M, T, Th, F, 7:50-9:19 am W  
- Smoky Hill HS: 12:55-2:30pm A Days, M, T, Th, F, 1:05-2:30pm W

In ProStart 2, students will be learning about a variety of topics including: Breakfast food & Sandwiches, Nutrition, Cost Control, Salads & Garnishing, Purchasing & Inventory, Meat, Poultry, & Seafood, Marketing, Desserts & Baked Goods, Sustainability in the Industry, and Global Cuisine. With successful completion of ProStart 2, students can continue on to ProStart 1. **Additional ProStart application is required.**

### EXECUTIVE INTERNSHIP

**OPEN TO GRADES:** 12  
**LENGTH:** Fall, Spring or Summer Semester  
**INTERNSHIP HOURS:** 100 Hrs  
**TRANSPORTATION:** Own  
**CREDITS:** 1 Credit  
**FEE:** $25  
**LOCATION:** Internship and 6 Internship Seminars at the CTE Building

The Executive Internship Program will provide an opportunity for selected students to have experience in a career field that they would like to pursue after graduation. An academic internship is a form of firsthand learning that integrates knowledge and theory learned in the classroom with practical application and skill development in a professional setting. This work/learning arrangement is overseen by the Internship Coordinator for CCSD.

Within the internship, students can expect to do various on-line work assignments, attend meetings, and complete projects. Students should be above average academically or especially talented in the career area they wish to pursue. Professional success also depends on the level of student’s maturity, responsibility and reliability. Internships are unpaid. **This program is selective, and additional application materials and an interview are required.**
CAREER & TECHNICAL EDUCATION

LOCATIONS/TIMES:
- Overland HS: 1:05 – 2:45 M, T, Th, F, 1:15 – 2:45 W
- Smoky Hill HS: 6:00am-6:55am A Days M, T, Th, F
- Cherry Creek HS: 6:00am-6:50am M-Th

TRANSPORTATION: Own

CREDITS: 1

FEES: $25

LENGTH: Full Year Course

OPEN TO GRADES: 11, 12

TEACHER CADET

The Teacher Cadet program is an innovative program that introduces high school students to the teaching profession. Students will explore the learner, the school, and the role of the teacher through exciting hands-on activities, guest speakers, field trips, 50 hours of both classroom and other school observations, job shadowing, and cooperative learning situations.

During second semester, students will participate in an extended field experience in which the cadets will work closely with a cooperative teacher for 8-10 weeks. The cadet will be immersed in the classroom experience by helping students one-on-one or in large groups, plan lessons, grade, create, and teach. This rewarding experience will also help cadets earn hours for education programs at the college level. Each cadet will work on a portfolio throughout the entire year. Additional Teacher Cadet Application required.

PRINCIPLES OF HEALTH SCIENCE

The course has a focus in Laws and Ethics for Healthcare Professionals. Coursework includes writing papers and participating in discussions aimed at exploring current issues such as the malpractice, the Affordable Care Act, why healthcare costs so much, etc. Emphasis is placed on volunteering, shadowing, and getting involved in the healthcare community during this course, specifically during second semester. Anatomy and Physiology is a recommended prerequisite.

ADVANCED HEALTH SCIENCE

Students must have a solid background in science, math, reading and writing and earn a C or better in Principles of Health Science. The course is designed for students interested in a career in the healthcare field. Emphasis will be placed on the importance of healthcare in today’s world, healthcare delivery systems, the Affordable Care Act, and health insurance. The course has a focus in Laws and Ethics for Healthcare Professionals. Students will explore the world of healthcare via hands-on activities, research paper writing, and HOSA. Topics covered include improving the healthcare industry, controlling infections and microorganisms, measuring and recording vital signs, medical terminology, and more.

EPIC MEDICAL CAREERS

In the EPIC Medical Careers class students are introduced to career opportunities through a unique series of lectures by medical professionals. Each morning students will hear from professionals from the medical community such as a plastic surgeon, bio-chemical warfare emergency room doctor, a nurse at Denver Health talking about infectious diseases, a genetic counselor, a pediatrician, X-Ray and optical technicians, as well as professionals from the business (medical sales) and the legal (a lawyer who represents doctors) careers related to medicine. Students are presented information about each specialty along with the education and other requirements for the many career options. Students may participate in a field trip to a cadaver lab or medical school to see how medical professionals are learning as well as be a part of an emergency room simulation, labor/delivery simulation, and a cadaver lab to which students will see the human body and internal organs.

NURSE AIDE CERTIFICATION

The Nurse Aide Certification Course is designed to give students practical application in nurse aide skills to pass the National Certification exam to obtain employment. Through partnerships students complete course work and clinical experiences that are a required element as a Certified Nursing Assistant (CNA). Flexibility in student schedule is important as the clinical experience may be outside the school day. Students must be 16 years of age. Furthermore, students must provide proof of immunizations and testing for tuberculosis and pass a criminal background check before placement. Students must show valid proof of residency (proof a parent has been in the state for at least one year) and a state issued form of identification. This is a selective course and additional application, spring informational meeting, and interview are required.

CAREER & TECHNICAL EDUCATION
The Littleton Health Sciences Program is a comprehensive two-semester course based on the National Consortium for Health Sciences Education standards. During the first semester students explore the healthcare industry and begin to lay the foundation for an entry level career. The rigorous curriculum includes: basic anatomy and physiology, medical terminology, health care systems, medical legal and ethical issues, and health career exploration. Students will be exposed to experts in the industry through guest speakers and field trips. Individual career pathways are developed during the second semester. Students may participate in the Nurse Aide Program or an Internship program. Professional portfolio development, employment skills and leadership training through the Health Occupations Students of America (HOSA) are emphasized during the second semester. College credit is available. A visit is required as part of the application process.

FASHION DESIGN 1 & 2

OPEN TO GRADES: 11, 12  LENGTH: 1 Year  CREDITS: 1  FEES: $10/Semester
TRANSPORTATION: Own
LOCATIONS/TIME: Ames Facility (Littleton Public Schools) 7:30-9:30 am – T and Th

Fashion Design is a year-long career pathway program introducing students to the many facets of the fashion design industry and how they are integrated with Science, Technology, Engineering and Math (STEM). Students begin the semester looking at textiles, studying fabrics and surface design. Students complete a career project/display board as they explore the range of career pathways within the fashion industry. Next we study the history of American fashion starting in the 1920’s. The elements and principles of design as they relate to fashion are examined along with fashion trends, drawing, basic garment silhouettes, and construction details. Basic garment construction is also integrated with a sewing project.

During second semester, students will explore the marketing and merchandising side of fashion. The fashion capitals of the world are examined revealing the global perspective of the industry. Textile fibers are also studied. Next, students take a fashion product from concept to consumer, prototyping their product, and creating a design portfolio representing their knowledge of the design process. The fashion cycle, advanced clothing construction, and green design are also explored.

*Each course has student costs of approximately $1000 to $1500
Student costs are for 1 school year and reflect approximate charges for mandatory books and fees. Additional optional fees may exist. These costs may change. Additional Pickens application required. Credit listed is per school year.

PICKENS PROGRAMS
These are the courses that are offered at Pickens Technical College