Over 80 middle school and high school camps students can explore all summer long!

REGISTRATION:
coloradomesa.edu/cec
970.255.2800

Scan to register for WCCC Summer Camps
Western Colorado Community College (WCCC) and Colorado Mesa University (CMU) support the growth and development of western Colorado youth during the summer break. They offer many experiential, hands-on learning opportunities for middle and high school students through summer camps. These interactive camps help students explore future career options, get a jumpstart on learning technical programs, develop strong personal skills and they are a lot of fun!

This booklet provides you with all the information you need to keep your child engaged this summer. Page 3 provides a weekly summary of all WCCC camps. The Reach Your Peak camps, offered at WCCC, are described in detail on pages 4 through 11.

ELIGIBILITY
Fifth graders going into the sixth grade in Fall 2020 are eligible for middle school camps. Eighth graders going into the ninth grade in Fall 2020 are eligible for high school camps.

REACH YOUR PEAK CAMPS AT WCCC
Reach Your Peak is a partnership between colleges in northwestern Colorado with the goal of creating excitement about learning and motivating students towards further education. Partners include Colorado Mesa University, Colorado Mountain College, Colorado Northwestern Community College and Western Colorado Community College.

The program is supported by the Northwest Regional Council of El Pomar Foundation. Through their generous Reach Your Peak grant program, WCCC is able to support these camps and make them affordable to all area youth. Be sure to review the camp descriptions in this catalog. You might find something your student never thought about exploring. Most of the camps are a week long and in most weeks campers can attend a session in the morning and then a different one in the afternoon. Camps fill quickly so please register as early as possible.

Camp scholarships and financial assistance: To assure all students can follow their passions, limited scholarships and financial assistance that could discount the cost of your camps as much as 70% are available. Please call 970.255.2800 to discuss available options prior to registration.

From camps to college: Students who complete one or more summer camps and one or more concurrent courses* on a WCCC/CMU campus during the school year may be eligible for a $2,000 scholarship each year for their first two years of college at CMU, WCCC, CMC or CNCC. Please call 970.255.2670 for more information.

*Concurrent courses are college courses taken while still enrolled in high school.

Western Colorado Community College and Colorado Mesa University reserve the right to cancel courses, change subject matter, alter time schedules or make other changes deemed necessary. At the time of publication, WCCC/CMU intends to host camps scheduled to start June 1 or later, but that may change depending upon guidance from public health officials.
SUMMER CAMPS BY WEEK

Titles of camps are color-coded according to age groups: Middle School | High School | Middle & High School

JUNE 1 – 5
- STEM Careers in Agriculture ...................... 4
- Where Are You Taking Your Talent? ........... 5
- You’ve Got Skills!
- Job Readiness for Youth ......................... 5
- Chef Camp: The Love Of The EGG ............... 5
- Traditional Animation:
  - Bring Your Drawings to Life! ................. 9
- Digital Photography from
  - Click to Computer ................................ 10
- Auto Mechanics, Level 1:
  - Hands-on Exploration .......................... 11

JUNE 8 – 12
- What’s On Your Plate? ................................ 4
- Creative Writing ....................................... 5
- Where Are You Taking Your Talent? ........... 5
- Chef Camp: Handmade Pastas ..................... 5
- Let’s Fly! Introduction to Aviation .............. 6
- Pediatric First Aid/CPR (1 day camp) .......... 7
- Adventures in 3D Printing and
  - 3D Modeling ...................................... 7
- Building Internet of
  - Things (IOT): Devices .......................... 7
- Cyber Camp: Crack the Secret Code! ......... 8
- Acting Camp: Acting in the Movies .......... 9
- Comic Book Creation .............................. 10
- Diving Deep into Disney Stories .............. 10
- How to Be a Vlogger .............................. 10
- Auto Mechanics, Level 2:
  - Hands-on Exploration ......................... 11

JUNE 15 – 19
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- Chef Camp: Petits Fours ............................ 6
- Critter Camp: Companion Friends ............. 6
- Let’s Fly! Intro to Aviation ........................ 6
- Adventures in 3D Printing
  - and 3D Modeling ................................ 7
- Build a Computerized Milling Machine
  (CNC Machine) ...................................... 7
- Mechatronics and Automation –
  - Build a Robotic Arm ............................ 8
- Micro:bit Robotics – Graphical &
  - Javascript Programming ....................... 8
- Robot Cars! Introduction to Arduinos ....... 8
- Acting Camp: Comedy Acting ................. 9
- CGI and 3D Animation ............................. 9
- Digital Illustration .................................. 10
- Video Game Editing and Streaming ......... 11

JUNE 22 – 26
- Art Camp: Drawing .................................. 4
- Chef Camp: Street Food ............................ 6
- Adventures in 3D Printing and
  - 3D Modeling ...................................... 7
- Drone Piloting ....................................... 8
- CGI and 3D Animation ............................. 9
- Acting Camp: Shakespeare .................... 9
- The Voice Behind the Toons:
  - Voice Acting Camp .............................. 10

JUNE 29 – JULY 2
- Critter Camp: Going Wild
  (4 day camp) ....................................... 6

JULY 6 – 10
- Art Camp: Painting & Mixed Media ........... 4
- Chef Camp: Handmade Pastas ........................ 5
- Lego Robotics ....................................... 8
- Mechatronics and Automation –
  - Build a Robotic Arm ............................ 8
- Micro:bit Robotics – Graphical &
  - Javascript Programming ....................... 8
- Digital Illustration .................................. 10
- Digital Photography from
  - Click to Computer ................................ 10

JULY 13 – 17
- Chef Camp: Petits Fours ............................ 6
- Build a Computerized Milling Machine
  (CNC Machine) ...................................... 7
- Coding Camp ....................................... 7
- Robot Cars! Introduction to
  - Arduinos Coding ................................. 8
- Special Effects:
  - The Green Screen Scene ..................... 10
- Video Production for the Movies ......... 11

JULY 20 – 24
- Art Camp: 3-Dimensional Art ................... 4
- Creative Writing ...................................... 5
- Build a 3D Printer ................................. 7
- Building Internet of
  - Things (IOT): Devices ......................... 7
- Storm the Castle! Making Math Fun ......... 8
- The Voice Behind the Toons:
  - Voice Acting Camp .............................. 10
- How to Be a Vlogger .............................. 10

JULY 27 – JULY 31
- Early Childhood Education ..................... 5
- Build a 3D Printer ................................. 7
- Cyber Camp: Crack the Secret Code! ....... 8
- How to Design/Shop/Build Your Own
  - Computer (3 day camp) ....................... 8
- Stop Motion Animation Magic ............... 11
- Video Production for the Movies .......... 11

AUGUST 3 – 7
- Basic Welding and Fabrication ............... 11

Colorado Mesa University is committed to providing admission or access to, or treatment or employment in, its educational endeavors, consonant with applicable laws and without regard to race, creed, color, religion, sex, disability, age, national origin, veteran status, marital status or sexual orientation.

Universidad de Colorado Mesa está comprometida a proveer la admisión o acceso o tratamiento o empleo en su labor educativa, de acuerdo con las leyes aplicables y sin distinción de raza, credo, color, religión, sexo, discapacidad, edad, origen nacional, condición de veterano, estado civil u orientación sexual.

Contact: Office of Diversity, Advocacy & Health, Colorado Mesa University, 1100 North Avenue, Grand Junction, CO 81501, 970.248.1366

970.255.2800 | coloradomesa.edu/cec
SUMMER CAMPS

AGRICULTURAL SCIENCES

STEM Careers in Agriculture
Agriculture careers include so much more than farming and ranching! Do you like science? You could be an animal nutritionist, a geneticist, or a veterinarian! Like to work with your hands? You could be a diesel mechanic, meat inspector or farrier! More business oriented? You could be a marketing specialist, Ag loan officer or journalist! Come explore the many paths available in agriculture! Camp participants will explore a variety of careers in agriculture through hands on learning experiences.

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What’s On Your Plate?
How does your food get from the farm to your plate? Campers will explore the science, technology, engineering, and mathematics in our non-animal food system. Come learn about technologies that are used in food production and harvesting. Each day has a different theme that will follow the path from production to harvest to marketing to consumer choices and food safety.

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Meat You There!
During this camp, students will explore science, technology, engineering, and mathematics in animal agriculture. In this field trip based camp, students will explore wildlife and range conservation, raising healthy animals and animal feeding, dairy production and pasteurization, animal harvest (including anatomy and physiology), meat quality and assurance, and transportation.

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CAREER EXPLORATION, LEADERSHIP AND CREATIVITY

Art Camp: Drawing
Calling all creative teens who are ready to learn and master new drawing skills. Explore the principles of drawing using pencils and charcoal. This fun-filled class will focus on skills that translate to any realistic drawing: light and shadow, line and tone, perspective and foreshortening. Practicing these basic skills, young artists will develop the confidence and ability to visually communicate their unique imaginative ideas.

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<th>Instructor: Mulder</th>
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Art Camp: Painting & Mixed Media
Come delve into the wonderful world of visual arts! Learn about different mediums and techniques including painting, collage and printmaking. Enjoy working with textures, patterns, and layers of design to create fun and unique works of art - the possibilities are endless!

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You’ve Got Skills! Job Readiness for Youth
Join this interactive and hands-on camp to learn essential skills for your summer and future job searches. Get started early in building a resume that will showcase your talents and experiences to help in the transition from school to the workplace. Learn who you are through fun personality testing and ability profiling activities. Explore ways of marketing yourself to employers and discover your abilities and assets. Learn how to build a resume, complete job applications, do well in an interview and find employment.

Instructor: .................................................. Hein
Price: ........................................................ $100
Age Group: .............................................. Middle School and High School
Date: ................................................. June 1 – 5
Time: .................................................... 1 – 5pm

Early Childhood Education
This camp is for those who are interested in working with young children from preschool age through second grade or are interested in how children develop. We will explore childhood development and development using a variety of fun hands-on activities. We will explore careers in childcare and education, and learn more about what is involved in running a day care facility or school program.

Instructor: .............................................. Stelljes
Price: ........................................................ $95
Age Group: .............................................. High School
Date: ............................................. July 27 – 31
Time: ................................................... 8:30am – 12:30pm

Where Are You Taking Your Talent?
Students are more engaged in academics when they have a vision for their future, and they work harder today if they see how it will help them personally tomorrow. In this camp, students will discover what their interests and passions for their career, hobby or lifestyle look like locally, personally tomorrow. In this camp, students will have the opportunity to interview local field experts with polished interview questions, and then create a PowerPoint presentation. With more knowledge, experiences, and a village of supporters, young people come out of high school with a clearer vision of what they want and don’t want, and how they’ll get to where they want to be.

Instructor: .................................................. Sündermann
Price: ........................................................ $100
Age Group: .............................................. 5th – 8th Grade

Chef Camp: The Love of The Egg
Egg dishes are in all types of culinary cuisine. Eggs are breakfast, lunch, and dinner! Let’s explore the egg both in Culinary and Baking. We will be teaching how to boil, poach, sauté, and scramble eggs properly. From omelets to hollandaise, eggs will become part of our day’s skills. Quiche served with a side salad makes a great lunch! How about Frittatas for breakfast with fresh orange juice and hash browns! For dinner, why not buttermilk pancakes served with a poached egg, potato fries, and ham. Then, in the Bake Shop, crepes with ice cream and fruit! Bread made for French toast and eclairs filled with pastry cream. Join!!

Instructor: .................................................. Hein
Price: ........................................................ $180
Age Group: .............................................. Middle School & High School
Date: ................................................. June 1 – 5
Time: .................................................... 8:30am – 12:30pm

Chef Camp: Handmade Pastas
Come for a fun week of mixing, kneading, rolling and cutting out handmade pastas that will be paired with seasonal sauces! Students will be making pasta from scratch for dishes like Pasta Primavera, Pasta Bolognese, Wild Mushroom filled Raviolis, Fettuccine Alfredo, and handmade Spaghetti and Meatballs! In the Bake Shop, we’ll make Chocolate Pasta served with a Hazelnut cream and a Butterscotch Budino, Pasta Parcels, and a ravioli pasta filled with sweet fruits! This week PASTA!!

Instructor: .............................................. Mulder
Price: ........................................................ $130
Age Group: .............................................. Middle School and High School
Date: .................................................... July 20 – 24
Time: .................................................... 1 – 5pm

MIDDLE SCHOOL
Date: .......... June 8 – 12
Time: .......... 1 – 5pm

CULINARY ARTS

970.255.2800 coloradomesa.edu/cec
**SUMMER CAMPS**

Instructor: .......... Henderson (Middle School), Jolley (Middle & High School)
Price: ................................................... $180
Age Group: .............................................. Middle School & High School

**MIDDLE SCHOOL, OPTION 1**
Date: ................ June 8 – 12
Time: ................ 8:30am – 12:30pm

**MIDDLE SCHOOL, OPTION 2**
Date: ................ July 6 – 10
Time: ................ 8:30am – 12:30pm

**MIDDLE & HIGH SCHOOL, OPTION 1**
Date: ................ June 8 – 12
Time: ................ 1 – 5pm

**MIDDLE & HIGH SCHOOL, OPTION 2**
Date: ................ July 6 – 10
Time: ................ 1 – 5pm

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**Chef Camp: Petits Fours**

Petits Fours is the French word for “small ovens”. Petit Four is a small bite sized confectionery or savory appetizer. This summer camp will cover bite size desserts! Small bites of cheese cake square with fruit and chocolate garnishes. Lava cakes drizzled with caramel sauce. French madeleine cookies served with hot-spiced teas. Mini lemon tartlets topped in meringue finished with a blowtorch to give it that fireside look. Florentine cookies coated in chocolate and served with ice cream. Truffles, bite sized cakes and more bite sized desserts! A summer filled with sweets and fun!

Instructor: .......... Henderson (Middle School), Jolley (Middle & High School)
Price: ................................................... $180
Age Group: .............................................. Middle School & High School

**MIDDLE SCHOOL, OPTION 1**
Date: ................ June 15 – 19
Time: ................ 8:30am – 12:30pm

**MIDDLE SCHOOL, OPTION 2**
Date: ................ July 13 – 17
Time: ................ 8:30am – 12:30pm

**MIDDLE & HIGH SCHOOL, OPTION 1**
Date: ................ June 15 – 19
Time: ................ 1 – 5pm

**MIDDLE & HIGH SCHOOL, OPTION 2**
Date: ................ July 13 – 17
Time: ................ 1 – 5pm

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**Chef Camp: Street Food**

What's popular today is Street Food! It is in all cultures around the world. It's a survival cuisine and possibly the truest food you will ever taste. This camp will be a tour of street food of Southeast Asia! We'll be making Banh Mi, which are a steamed, fluffy Chinese bun filled with meat and vegetable! We'll also make Chicken Satays! Satays are some of the most famous street foods in Southeast Asia. How about Vietnamese spring rolls served with spicy peanut sauces (one of my favorites). From Japan we'll make Katsu Don, pork loin sliced very thin and dipped in egg and bread crumbs served with sushi rice and dashi accompanied with Tempura vegetables and seafood. For desserts, Fruit smoothies and sweet rice balls. Come discover Street Foods!

Instructor: .......... Henderson (Middle School), Jolley (Middle & High School)
Price: ................................................... $180
Age Group: .............................................. Middle School & High School

**MIDDLE SCHOOL**
Date: ................ June 22 – 26
Time: ................ 8:30am – 12:30pm

**MIDDLE & HIGH SCHOOL**
Date: ................ June 22 – 26
Time: ................ 1 – 5pm

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**HEALTH SCIENCES AND AVIATION**

**Critter Camp: Companion Friends**

Welcome the dog (and cat) days of summer with canine and feline visitors from Roice-Hurst Humane Society. Learn how to be a good pet parent and the basics of animal care. Craft games and enrichment activities for pets from recycled materials. Earn badges in animal care and behavior so you can help coach other animal lovers.

Instructor: .......... Whitney
Price: ................................................... $120
Age Group: .............................................. Middle School

**MIDDLE SCHOOL**
Date: ................ June 8 – 12
Time: ................ 8:30am – 12:30pm

**MIDDLE & HIGH SCHOOL**
Date: ................ June 8 – 12
Time: ................ 1 – 5pm

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**Critter Camp: Going Wild (4 day camp)**

Explore the diversity of Colorado's wildlife with guest speakers — both human and non-human. Test your powers of observation and inference on nature walks and in games like charades. Learn how to encourage nature's diversity in our own back yards by making bird feeders and other projects from recycled materials. Demonstrate a commitment to keeping Colorado wild and educating others.

Instructor: .......... Whitney
Price: ................................................... $95
Age Group: .............................................. Middle School

**MIDDLE SCHOOL**
Date: ................ June 29 – July 2
Time: ................ 8:30am – 12:30pm

**MIDDLE & HIGH SCHOOL**
Date: ................ June 29 – July 2
Time: ................ 1 – 5pm

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**Let's Fly! Introduction to Aviation**

This camp is for anyone who is interested in Aviation. Explore the intriguing aspects of Aviation from how an aircraft is built to the aerodynamic aspects of what makes planes fly and how weather affects flight. This camp is also an opportunity to discover careers in Aviation and show possible routes to get there.

Instructor: .......... Miller
Price: ................................................... $120
Age Group: .............................................. High School

**OPTION 1**
Date: ................ June 8 – 12
Time: ................ 8:30am – 12:30pm

**OPTION 2**
Date: ................ June 15 – 19
Time: ................ 1 – 5pm

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**REGISTRATION IS EASY:**

coloradomesa.edu/cec  970.255.2800

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Titles of camps are color-coded according to age groups: **Middle School** | **High School** | **Middle & High School**
Pediatric First Aid/CPR (1 day camp)
If you like working with young children, as a babysitter or camp volunteer, then this is an important camp for you! Come learn infant and child cardiopulmonary resuscitation (CPR) and first aid, and gain critical skills for working with children as a summer job. This camp will give you confidence when you’re with small children, and it will look great on a resume. Campers will gain an American Safety and Health Institute (ASHI) certification in pediatric CPR and automated external defibrillator (AED) along with training in some critical first aid skills.
Instructor: Winfrey
Price: $49
Age Group: Middle School & High School

OPTION 1
Date: June 9
Time: 8:30am – 12:30pm

OPTION 2
Date: June 11
Time: 8:30am – 12:30pm

BUILD A 3D PRINTER

Build a 3D Printer
3D printing changed the way inventors take their ideas from thought to reality. In this camp, you will build and tune your very own 3D Printer that is capable of printing plastic parts. You will take your 3D printer home to enjoy making products at home. No experience required. *Consider taking our Adventures in 3D Printing and 3D Modeling camp to learn how to use the 3D printer you’ll be building in this camp!
Instructor: Castleton
Price: $360
Age Group: Middle School & High School

MIDDLE SCHOOL
Date: July 20 – 24
Time: 1 – 5pm

HIGH SCHOOL
Date: July 27 – 31
Time: 8:30am – 12:30pm

Build a Computerized Milling Machine (CNC Machine)
Come to this camp and with the help of the instructor and other campers build a CNC Milling machine. A machine a computer can control to make precise etchings and shapes in wood, plastic, and soft metals. Once kits are built instructor will show how to create your own designs using no-cost software and cut example pieces from wood and plastic.
Instructor: Castleton
Price: $170
Age Group: High School

OPTION 1
Date: June 15 – 19
Time: 1 – 5pm

OPTION 2
Date: July 13 – August 17
Time: 8:30am – 12:30pm

Building Internet of Things (IOT): Devices
Do you want to create your own fitness tracker? Do you want to make a device that lights up based on your movement? In this summer camp, you will learn how to use the latest embedded devices that are used in the Internet of Things. You will be able to create anything from a coffee pot that tells you it’s ready, to a dress that lights up as you move. You get to keep the kit of parts. No prior experience needed.
Instructor: Castleton
Price: $120
Age Group: High School

OPTION 1
Date: June 8 – 12
Time: 8:30am – 12:30pm

OPTION 2
Date: July 20 – 24
Time: 1 – 5pm

Coding Camp
Learn the fundamentals of C++, one of the world's most essential programming languages, with applications spanning from system software design to game development. C++ opens the door to the vast world of coding and development, no matter what you want to create. Using your newfound coding skills, create projects and test your growing knowledge with job interview-style coding challenges.
Instructor: Antoun
Price: $120
Age Group: High School

Date: July 13 – 17
Time: 8:30am – 12:30pm

REGISTRATION IS EASY:
coloradomesa.edu/cec 970.255.2800

STEM: COMPUTERS, ROBOTICS AND TECHNOLOGY

Adventures in 3D Printing and 3D Modeling
Learn how 3D printing is changing manufacturing and how you can make things for yourself. Using the 3D Computer Aided Design software Autodesk Inventor, you will learn how to draw 3D models and download them to the 3D printer to generate real parts from your drawings. No experience necessary. Join us and experience the world of 3D printing. *We also have a Build a 3D Printer camp, where students can build and take home their own 3D printer.
Instructor: Mahoney
Price: $140
Age Group: Middle School & High School

MIDDLE SCHOOL
Date: June 15 – 19
Time: 8:30am – 12:30pm

HIGH SCHOOL, OPTION 1
Date: June 8 – 12
Time: 8:30am – 12:30pm

HIGH SCHOOL, OPTION 2
Date: June 22 – 26
Time: 8:30am – 12:30pm

SEE YOUR EVENT ON FACEBOOK AND INSTAGRAM!
Cyber Camp: Crack the Secret Code!
Learn to encode and decode secret messages. Learn to crack other peoples encoded messages. Then learn how to protect you and your family by understanding how hackers and scammers trick people into giving up information they should not. This camp will demonstrate the Gen-Cyber principles of “Think like an adversary”, “Data Encoding”, and “Layering”.

Instructor: .............................................. Castleton
Price: ................................................................ $120
Age Group: ............................................... Middle School and High School

OPTION 1
Date: ............................. June 8 – 12
Time: ......... 1 – 5pm

OPTION 2
Date: ............................. July 27 – July 31
Time: .......... 8:30am – 12:30pm

Drone Piloting
Learn how drones work by programming and flying your own CoDrone (must be registered). All drone operation fundamentals are covered in this camp. Campers will program their drone to fly by remote control (iPhone or Android phone required) and autonomously fly a route programmed into it. Each camper will have a drone to take home to continue to enjoy.

Instructor: ........................................... Felmlee
Price: ................................................................ $280
Age Group: ............................................... Middle School and High School

Date: ............................. June 22 – 26
Time: .......... 8:30am – 12:30pm

How to Design/Shop/Build Your Own Computer (3 day camp)
If you’ve thought about building your own custom computer, this camp is for you! Learn how to design your own computer so that its functions fit your needs. Then discover how to select the right parts, and how to buy them at the best price. Hands-on assembly of computers in our lab will ensure that you receive the skills you need to build your own computer.

Instructor: ............................................ Antoun
Price: ................................................................ $70
Age Group: ............................................... Middle School and High School

Date: ............................. July 27 – 29
Time: .......... 8:30am – 12:30pm

Lego Robotics
Build – Code – Experiment! During this camp, you will design, build and program Star Wars Droid robots using the LEGO Star Wars Droid Commander. Through this process, campers will gain advanced building skills, use a drag and drop software program and use their robot to compete against other teams. Boost your LEGO building experience with the amazing LEGO BOOST Creative Toolbox. Build and customize your own personal talking robot friend, and code its behavior, teach him to play tag with other robots then take it home to do even more. Campers must bring their own iPad to control the robot. Accepted iPad versions are iPad Pro, Air 2, 3 or 4, Mini 2, 3, or 4 or 4th Generation.

Instructor: .............................................. Antoun
Price: ................................................................ $280
Age Group: ............................................... Middle School and High School

Date: ............................. July 6 – 10
Time: .......... 1 – 5pm

Mechatronics and Automation — Build a Robotic Arm
In this camp you will explore how electrical and mechanical components can be combined to create autonomous systems. You will write software and ladder logic programs, experience factory automation in WCCC’s Mobile Learning Lab, and build your own robotic arm to take home.

Instructor: ............................................. Pertile
Price: ................................................................ $280
Age Group: ............................................... Middle School and High School

MIDDLE SCHOOL
Date: ............................. June 15 – 19
Time: .......... 8:30am – 12:30pm

HIGH SCHOOL
Date: ............................. July 6 – 10
Time: .......... 8:30am – 12:30pm

Micro:bit Robotics – Graphical & Javascript Programming
The micro:bit is the perfect controller for learning how to build and program robots! Makecode Editor online graphical programming is a great place to train the logical thinking for new coders. This robot that has many different modes, such as obstacle avoidance and line-follow. It is easy to build, and fun!

Instructor: .............................................. Mellenthin
Price: ................................................................ $150
Age Group: ............................................... Middle School and High School

OPTION 1
Date: ............................. June 15 – 19
Time: .......... 8:30am – 12:30pm

OPTION 2
Date: ............................. July 6 – 10
Time: .......... 8:30am – 12:30pm

Robot Cars! Introduction to Arduinos Coding
Arduinos are inexpensive, easy-to-program microcomputers that have spawned thousands of new inventions. In this course, you will learn how to build and program a simple robotic car that uses an Arduino for its “brain.” At the end of the five-day camp, you will compete with other camp participants to see whose car can finish an obstacle course in the shortest amount of time. You get to keep the kit of parts. No prior experience necessary.

Instructor: .............................................. Castleton
Price: ................................................................ $150
Age Group: ............................................... Middle School and High School

OPTION 1
Date: ............................. June 15 – 19
Time: .......... 8:30am – 12:30pm

OPTION 2
Date: ............................. July 13 – 17
Time: .......... 1 – 5pm

Storm the Castle! Making Math Fun
Design and build a model of a medieval war machine, called a trebuchet, that will throw a projectile against a castle wall. Students will investigate math and physics concepts through the construction of various types of catapults and trebuchets. Each student will design, build, and test their own trebuchet using everyday PVC pipe and fittings.

Instructor: ......................................... Quesenberry
Price: ................................................................ $100
Age Group: ............................................... Middle School

Date: ............................. July 20 – 24
Time: .......... 8:30am – 12:30pm


Title of camps are color-coded according to age groups: Middle School | High School | Middle & High School
STEAM: DIGITAL DESIGN AND FILMMAKING

Traditional Animation: Bring Your Drawings to Life!
Learn how to take your drawing skills to a whole new level – by making your drawings move! Discover the fun of traditional 2D animation with the latest computer software and find the joy of seeing your creations come to life.

Instructor: ............................................... Hoffman
Price: ........................................................ $120
Age Group: ................................................ Middle School and High School

Date: .................................................. June 1 – 5
Time: .................................................... 1 – 5pm

CGI and 3D Animation
Begin your journey into Computer Generated Imagery! Jump into a virtual world of your own creation using a professional 3D animation program. You will model, texture and bring to life your own computer-generated creations!

Instructor: ............................................ D. Devereux
Price: ........................................................ $120
Age Group: ................................................ Middle School and High School

Date: ........................... June 15 – 19
Time: ............. 8:30am – 12:30pm

Acting Camp: Acting in the Movies
Have you ever dreamed of being on the silver screen? Ever wondered what it takes for an actor to work on a movie? During this camp, you’ll work with both comedic and dramatic material, learn on-camera acting techniques through fun games and exercises, and perform monologues and scenes on camera. Each student will receive a digital copy of their monologue and scene at the end of the camp. This camp is open to all levels of experience.

Instructor: ............................................... Brachfeld
Price: ........................................................ $110
Age Group: ................................................ Middle School and High School

Date: .................................................. June 8 – 12
Time: .................................................... 1 – 5pm

Acting Camp: Comedy Acting
Want to develop your self-confidence and comedy chops? This camp will bring out the comedian in you! We’ll explore the wonderful world of comedic acting through exercises and games at each class. In a supportive and encouraging environment, you’ll be able to stretch your comedy wings. You’ll learn short form improvisational technique, commedia dell’arte, classic comedy routines and styles and perform your own short stand-up routine or comedy monologue. This camp is open to all levels of experience.

Instructor: ............................................... Brachfeld
Price: ........................................................ $110
Age Group: ................................................ Middle School and High School

Date: .................................................. June 15 – 19
Time: .................................................... 1 – 5pm

Acting Camp: Shakespeare
All great actors study Shakespeare. During this camp, you’ll learn fundamental acting techniques, develop the ability to transform into character through movement and voice work, establish tools for script analysis, learn basic stage combat with swords, and perform a scene in front of your friends and family from one of the Bard’s plays. This camp is open to all levels of experience.

Instructor: ............................................... Brachfeld
Price: ........................................................ $110
Age Group: ................................................ Middle School and High School

Date: .................................................. June 22 – 26
Time: .................................................... 1 – 5pm

Comic Book Creation
This camp will cover fundamental skills and techniques required to design and complete a hand-drawn comic book. Western, Japanese and alternative styles will be explored as students learn the process of transforming a script into storyboards and a final inked product. Technical elements include framing and panel layout, shading techniques, inking with micron and dip pens, and digital lettering.

Instructor: ............................................... Hoffman
Price: ........................................................ $120
Age Group: ................................................ Middle School and High School

Date: .................................................. June 8 – 12
Time: .................................................... 1 – 5pm
Digital Illustration
Would you like your drawings to look like the professional artwork you see on your favorite websites? From concept art to final illustration, this class will train you in everything you need to know about drawing digitally. Learn essential fine art skills while gaining experience drawing with a tablet.
Come draw with us!

Instructor: Hoffman
Price: $120
Age Group: Middle School and High School

**MIDDLE SCHOOL**
Date: June 15 – 19
Time: 1 – 5pm

**HIGH SCHOOL**
Date: July 6 – 10
Time: 1 – 5pm

Digital Photography from Click to Computer
Explore and share your vision from behind the lens. This camp will use DSLR cameras and Adobe Photoshop to produce pictures like a pro. We will experiment with artistic and technical tricks of the trade and host an end-of-session gallery opening to highlight your favorite pieces. You will be able to take home the start of your very own professional portfolio.

Instructor: Meuwly/Miller
Price: $120
Age Group: Middle School and High School

**OPTION 1** INSTRUCTOR: MEUWLY
Date: June 1 – 5
Time: 8:30am – 12:30pm

**OPTION 2** INSTRUCTOR: MILLER
Date: June 8 – 12
Time: 8:30am – 12:30pm

Diving Deep into Disney Stories
What makes a Disney movie so memorable? We take an in-depth look at how story, acting, production design, and music work together in classic live-action Disney Films to make great stories. We break down “20,000 Leagues Under the Sea (G),” “Old Yeller (G),” “Mary Poppins (G),” “The Straight Story (G),” and “The Rocketeer (PG),” to discover the methods, science, and psychology of how all movies are made.

Instructor: McClintock
Price: $120
Age Group: Middle School and High School

Date: June 8 – 12
Time: 1 – 5pm

The Voice Behind the Toons: Voice Acting Camp
Have you ever wondered how you can become a voice in the next big cartoon? Would you like to add the world of animation, video games and commercials to your acting resume? Then this workshop is for you! Students will develop characters and find comedy with their voice all while creating a dynamic performance.

Instructor: Hoffman
Price: $120
Age Group: Middle School and High School

**OPTION 1**
Date: June 22 – 26
Time: 8:30am – 12:30pm

**OPTION 2**
Date: July 20 – 24
Time: 8:30am – 12:30pm

How to Be a Vlogger
Want to become a vlogger but have no idea how to start your own vlog for social and streaming websites? This camp guide will help guide you on how to start your own vlog. We’ll cover everything you need to know about equipment, YouTube, Internet Safety and provide you with vlog ideas and tips and help you get your first subscribers. This is a beginner camp and does not require any experience or equipment. MS and HS 13+

Instructor: Miller
Price: $120
Age Group: Middle School and High School Age 13+

**OPTION 1**
Date: June 8 – 12
Time: 8:30am – 12:30pm

**OPTION 2**
Date: July 20 – 24
Time: 8:30am – 12:30pm

Special Effects: The Green Screen Scene
Discover how the special effects in motion pictures and on television are created. Learn the essentials of compositing; how to add people into animated environments with green-screen keying; how to blow up a car the legal and safe way, and much, much more!

Instructor: Hoffman
Price: $120
Age Group: Middle School and High School

Date: July 13 – 17
Time: 1 – 5pm

CHECK OUT ADDITIONAL CAMPS AT COLORADO MESA UNIVERSITY!
See back cover for more info

coloradomesa.edu/summer
Stop Motion Animation Magic

Want to recreate the Nightmare Before Christmas? How about The Lego Movie with real Legos? Stop motion animation allows your creations to come to life through the magic of film and photography. We will be experimenting with Claymation, construction paper animation and action figure/Lego animation to create unique videos.

Instructor: ............................................... Hoffman
Price: ........................................................ $130
Age Group: ................................................. Middle School and High School
Date: ....................................................... July 27 – 31
Time: .......................................................... 8:30am – 12:30pm

Video Game Editing and Streaming

Do you play Video Games and want to learn how to edit your clips and montages together? This camp will give you the basics and some advanced editing tools to process Gaming Clips and get shares and likes to your channel. Skills learned in this camp include simple video cutting, rotating, splitting, cropping, color correction, Audio, webcam and graphic overlays within a few clicks. We will not be playing video games in Camp the clips must be captured at home. Students must have clips ready to edit if they don’t we can provide some clips to use. Mixed ages MS and HS 13+

Instructor: ................................................ Meuwly
Price: ........................................................ $120
Age Group: ................................................. Middle School and High School Age 13+
Date: ......................................................... June 15 – 19
Time: .......................................................... 8:30am – 12:30pm

Video Production for the Movies

Campers produce, direct, light, shoot and edit like the experts as they complete exercises and projects culminating in making their own short movie. Students learn to shoot video and edit what they shot while developing leadership, communication, project management, creative design, and technical skills. Put to use the skills you learned in any of the acting camps if you took one to help produce the movies.

Instructor: ................................................. Linenberger/Cochran
Price: ........................................................ $120
Age Group: ................................................. Middle School and High School

MIDDLE SCHOOL
Instructor: Linenberger
Date: .......... July 13 – 17
Time: .......... 8:30am – 12:30pm

HIGH SCHOOL
Instructor: Cochran
Date: .......... July 27 – 31
Time: .......... 8:30am – 12:30pm

Auto Mechanics, Level 1: Hands-on Exploration

Come to WCCC this summer and get a taste of what it is like to work on automobiles. You will learn how engines work and the rest of the 8 main components of cars. You will work in fully equipped shops with tools and automobiles that can be taken apart and put back together. With the guidance of our experienced instructors, you will apply science and math skills in real work situations and learn about careers in the automobile industry.

Instructor: .......................................... Goetz/Carsten
Price: ........................................................ $130
Age Group: ................................................. Middle School and High School
Date: ......................................................... June 1 – 5
Time: .......................................................... 8:30am – 12:30pm

Auto Mechanics, Level 2: Hands-on Exploration

Come back to WCCC auto camp for a week of more in-depth and technical work with electrical, brakes, suspension and more. Find out if you really enjoy working on cars by using more advanced tools and exploring the automotive field in more detail. If you have attended the auto camp before, have completed Level 1 this year, or have previous experience, you are welcome to join us.

Instructor: .......................................... Goetz/Carsten
Price: ........................................................ $130
Age Group: ................................................. Middle School and High School
Date: ......................................................... June 8 – 12
Time: .......................................................... 8:30am – 12:30pm

Basic Welding and Fabrication

Learn the basics of welder safety; cutting and welding techniques, and how to apply them to real world projects. Students will be using welding and cutting equipment just like professional welders would use. Learn about the career options available with training in this field while having some hands-on experience.

Instructor: ................................................ Kirkland
Price: ........................................................ $150
Age Group: ................................................. Middle School and High School

MIDDLE SCHOOL
Instructor: Cochran
Date: .......... August 3 – 7
Time: .......... 8:30am – 12:30pm

HIGH SCHOOL
Instructor: Cochran
Date: .......... August 3 – 7
Time: .......... 1 – 5pm
Send the kids to college this summer! In addition to more than 80 hands-on learning experiences through Western Colorado Community College (WCCC) and Reach Your Peak Colorado, Colorado Mesa University (CMU) offers a variety of programs for elementary, middle and high school students including academic, performing arts and athletic camps and clinics. Open the door to something that may ignite a fire within your kid for the future. Go to coloradomesa.edu/summer and explore all the options.

**Athletic Camps**

More than 15 athletic camps, including overnight camps, are offered on CMU’s main campus. Practice baseball, basketball, cheerleading, soccer, softball and much more.

**GirlsDoMath**

Girls who love math come together to engage in the exploration, research and discussion of mathematical ideas guided by female professors, teachers and undergraduate math students.

**Music Camps**

The CMU Department of Music offers summer camps for elementary, middle and high school youth.

**Camps at CMU Montrose**

More than 20 camps are offered throughout the summer on CMU’s Montrose campus. Explore engineering, food science, movie making, art, photography, Vex robotics and much more! Visit coloradomesa.edu/montrose/camps for details.