



**All Pikes Peak Makes Events with MESO**

Visit these PPLD libraries to tour their Makerspace and the Mobile Earth & Space Observatory (MESO), a "science center on wheels" with hands-on educational and research activities focused on earth and space sciences, renewable energy, and scientific instrumentation.

Fountain Library	Ellicott School (Mobile Library)	Library 21c
Oct 13 10:30am - 1:00pm	Oct 14 12:30 - 3:15pm	Oct 16 10:30am-1:00pm
230 S Main St, Fountain	322 S N Ellicott Hwy, Calhan	1175 Chapel Hills Dr, Co Spgs

Host: Pikes Peak Library District, All ages



**Pikes Peak Trolleys & Street Railways**

Explore one of our city's hidden gems preserving the history and restoring the artifacts of the Pikes Peak region's lost streetcars and street railways.

**Oct 16 9:30am-3:00pm**  
Pikes Peak Trolley Museum,  
2333 Steel Dr, Co Spgs All ages

**From X-Rays to Cog Railways: Science in Colorado Springs' Early Years**

Learn more about the advanced scientific work done in our town's first few decades, including the first X-rays west of the Mississippi!

**Oct 16 10-11:30am 40 max** ✓  
Manitou Springs Heritage Center,  
517 Manitou Ave., Manitou Springs  
Teens & Adults



**Celebrate NASA's Webb Space Telescope Launch at SFDC**

The Space Foundation Discovery Center and Cool Science are celebrating this historic event with a full day filled with Astronomy, Space, Science, a little History and even a peek into the future!

**Oct 16 10am-4pm** \$  
Space Foundation Discovery Center,  
4425 Arrowswest Dr., Co Spgs  
All ages

**Park Protectors: From Palmer to Pikes Peak**

Join park rangers in various games and challenges to learn what you can do to preserve and protect Colorado Springs' beautiful natural areas.

**Oct 16 10-11am 50 max** ✓  
Palmer Park - Lazy Land Pavilion,  
3650 Maizeland Rd, Co Spgs  
Kids & Families



**Raptor Center Tour**

Join us for an intimate, behind-the-scenes tour of our raptor center, observe our resident birds and learn about their unique journey to our center.

**Oct 16 10am-2pm**  
(30 min, multiple times) ✓ \$  
Nature & Wildlife Discovery Center-  
Raptor Center, 4828 Nature Center  
Rd, Pueblo All ages



**City of Sunshine**

In this interactive family-friendly workshop, learn how Colorado Springs "City of Sunshine," drew people from all over the country hoping to cure tuberculosis.

**Oct 16 10:30-11:30am 30 max** ✓  
Colorado Springs Pioneers Museum  
215 S. Tejon Street, Kids & Families

**Bigfoot Hike**

Learn how much humans impact the natural world and how you can minimize your impact so you can be more like Bigfoot and blend into the forest.

**Oct 16 11am-12:30pm 30 max** ✓  
Palmer Park-Lazy Land Pavilion,  
3650 Maizeland Rd, Kids & Families

**Mountains of Time: Geology of North Cheyenne Cañon**

Explore basic geologic concepts and participate in a guided hike highlighting the mountain building processes and secrets of this beautiful park.

**Oct 16 11am-1pm**  
Starsmore Visitor and Nature Center,  
2120 S Cheyenne Canyon Rd.,  
Co Spgs All ages

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**COOL SCIENCE DONORS**



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**COLORADO SPRINGS**

Events in Pueblo too!



**COOL SCIENCE FESTIVAL**  
**OCT 9-17**  
**2021**



**9-Day Celebration of Science Technology Engineering Art & Math**



www.coolscience.org

**SATURDAY OCTOBER 9**  
10am - 4pm



FREE science shows, lab tours, workshops and 80+ fun hands-on STEAM activities for kids!



**University of Colorado at Colorado Springs - Main Campus**  
1420 Austin Bluffs Pkwy Colorado Springs

### Science Behind Your Wine

Learn about the process of wine production from planting to bottling in Penrose's Apple Valley from Brush Hollow wine master Robert Vanatta.

**Oct 10 1-2:30pm 25 max** ✓  
(\$2 registration fee)

*Brush Hollow Winery, 465 D Street, Penrose Adults & Families (Age 21 to sample wines)*

### Photography at

#### Rainbow Falls Historic Site

Bring your camera to learn tips and suggestions from Mike Pach and take pictures of historic and scenic Rainbow Falls unobscured by visitors.

**Oct 11 11-1pm 15 max** ✓ \$

*Rainbow Falls Historic Site, Serpentine Drive, Manitou Springs Adults*



### Garden of the Gods Visitor & Nature Center Events

Details and registration links online.

Enter code "COOLSCIENCE" for a 50% discount.

*Garden of the Gods Visitor Center, 1805 N. 30th St.*

**Nature Journaling Hike - Oct 9 12:30-2:00pm** ✓ \$

**Our Local Bighorn - Oct 10 11:30am-12:30pm** ✓ \$

**Rocky Mountain Bighorn Sheep - Oct 11 9:30-10:15 am**

**The Noisy Magpie - Oct 11 11:30am-12:15pm**

**Gateway to Geology - Oct 12 3-4:30pm** ✓ \$

**Rattlesnakes! - Oct 13 3-3:45pm**

**Theio, Garden of the Gods Unique Dinosaur - Oct 14 3-4pm** ✓ \$

**Fabulous Fungi Guided Hike - Oct 15 10-11am** ✓ \$

**7th Annual Fossil Day Celebration - Oct 16 10am-3pm**

**All About Pollinators Guided Hike - Oct 16 3:30-4:30pm** ✓ \$

### Shooks Run Ecology Experience!

Visit Concrete Coyote Park where we use the South Shooks Run corridor as our ecological case study of urban watersheds, aquatic biology, water quality monitoring, and ecosystem restoration!

**Oct 11 4-6pm 20 max** ✓

*Concrete Couch, 1100 South Royer St, Co Spgs All ages*

### VIRTUAL:

#### Car Crashes, Safety & Physics

Learn about the physics of vehicle safety, why seatbelts and airbags are so important, and what we can do to keep ourselves safe in a collision.

**Oct 11 5-6:30pm** ✓

*Host: BSCS Science Learning*

*Pre-register to receive live-stream link Kids & Families*

### - IMPORTANT NOTE -

✓ Online Pre-Registration or Tickets Are Required For Most Events

[www.coolscience.org/cool-science-festival.html](http://www.coolscience.org/cool-science-festival.html)

Most Festival Events are FREE...

AND...Also require Pre-Registration.

Some events with limited attendance require purchase of a \$2 online "ticket" to secure a reservation. This is to insure that reservations go to those who intend to show up. *(Details online)*

### Stargazing at Star Light Observatory

Gaze at the wonders of the cosmos and learn how the upcoming launch of the Webb Space Telescope will expand our understanding of the universe.

**Oct 11 6:30-8:30pm**

*Host: Zack & Zoey Adventures*

*Star Light Observatory*

*(behind Trailblazer School),*

*2015 Wickes Rd, Co Spgs All ages*



### Using Technology to Recover Old Books and Documents

UCCS English Prof. Helen Davies shows amazing multispectral imaging that can recover old and illegible texts with before and after examples.

**Oct 12 5-6:30pm 40 max** ✓

*UCCS Kramer Family Library (2nd floor APES), 1420 Austin Bluffs Pkwy, Co Spgs Adults & Teens*

### Little Wonders Program: Who Hoots?

Discover the world of nature with your 2-3 year old. Learn about owls, do a small craft, then take a short hike to see if you can find their hiding places.

**Oct 13 10-11:15am 15 max** ✓ \$

*Bear Creek Nature Center 245 Bear Creek Rd, Co Spgs Preschool*

### VIRTUAL: Tour the NREL

Join the Education Team from the National Renewable Energy Lab for a virtual exploration of NREL's state-of-the-art campus in Golden.

**Oct 13 10-11am** ✓

*National Renewable Energy Laboratory*

*Pre-register for link. Schools & Homeschool students (Primarily grades K-6)*



### Makerspace Classes at The MAC

Take a tour of 14 Makerspaces at the MAC, become a Member for FREE, take a class! Makerspaces include: Design Lab with Boss Laser Cutter & 3D

printing; Wood & Metal shop; Dye Lab; Textiles Studio; Printmaking; Papermaking; Photography Darkroom and more!

**Woodshop Project: Make a Mitered Box - Oct 9 10am-6pm** ✓ \$

**Boss Laser Cutter/Engraver - Oct 12 3:30-4:30pm** ✓

**Woodshop - Oct 12 4:30-6:00pm** ✓

**Fab Lab with Concrete Couch - Oct 13 3:30-5:00pm**

**Rigid Heddle Weaving Loom - Oct 14 4:00-6:00pm** ✓

**Jewelry Lab - Oct 14 4:30-6:00pm** ✓

*Check online for schedules, details and ages.*

*Manitou Art Center, 515 Manitou Ave, Manitou Springs*



### Family Friendly Cave Tour

Learn about geology, caving, bats and more on this special underground tour offered just for the Cool Science Festival at a discounted price!

**Oct 13 10am-4pm (90-120 min tour, multiple times) 15 max per tour** ✓ \$

*Cave of the Winds Mountain Park, 100 Cave of the Winds Rd, Manitou Springs Kids & Families*

### Planet Party!

Gaze at the Moon, Venus, Jupiter and Saturn as well as many of the other celestial sights with the Colorado Springs Astronomical Society and the Mobile Earth & Space Observatory (MESO)

**Oct 13 6:30-8:30pm**

*Garden of the Gods Visitor Center Parking Lot 1805 N. 30th St., Co Spgs All ages*

### Planetarium Shows at the Challenger Learning Center of Colorado

Explore the Colorado Night Sky and get a tour across our Solar System in a show at Challenger's Mikkelson Planetarium.

**Oct 13 5-8pm (25 min, multiple times) 25 max per show** ✓

*Challenger Learning Center of Colorado, 8717 Wolf Valley Dr, Co Spgs All ages*

### Exploring Cybersecurity

Parents and students will learn about cybersecurity programs, on line training, cyber games and other opportunities while also increasing awareness and knowledge.

**Oct 13 6:30-8:30pm**

*UCCS Cybersecurity Programs Office, 3650 N Nevada Ave. Co Spgs All ages*

### VIRTUAL: A Look into The National Weather Service in Pueblo, Colorado

Peer into the daily lives of meteorologists at NWS Pueblo and learn some fun facts about weather and anything else about our job you may want to ask!

**Oct 14 9:30-10:15am** ✓

*Host: National Weather Service*

*Pre-register to received live-stream link Schools & Homeschool students (primarily grades K-6)*

### VIRTUAL: Art Station Titan

Blast off to new discoveries with this live program that merges space science and scientific illustration while learning about Saturn's largest moon.

**Oct 14 11-11:45am** ✓

*Host: Denver Museum of Nature & Science Pre-register to received live-stream link. Schools & Homeschool students (primarily grades 1-8)*



### PureWater Colorado

#### Direct Potable Reuse Tour

Tour CS Utilities mobile unit that demonstrates cleaning recycled water to a level that meets or exceeds all drinking water standards.

**Oct 14 4-5pm 24 max** ✓

*Host: Colorado Springs Utilities*

*JD Phillips Water Resource Recovery*

*Facility, 4205 Mark Dabling Blvd., Co Spgs Adults & Teens (4th grade and up)*

### Find More Festival Events Online!

[www.coolscience.org/cool-science-festival.html](http://www.coolscience.org/cool-science-festival.html)



### Friday Finders Club Celebrates Cool Science!

Enjoy a fun family scavenger hunt geared for children ages 5-12 that challenges families to see the zoo in a whole new way while they use the clues to find five different apex predators.

**Oct 15 9am-3:30pm**

**(special presentation at 11 am) \$**  
*Pueblo Zoo, 3455 Nuckolls Ave., Pueblo Kids & Families*



### A(corn) Maze-ing Math!

Learn how mazes are related to a field of mathematics called topology and how this leads to a cool trick you can use to find your way through a real corn maze!

**Oct 15 10am-3pm**

*Diana's Pumpkin Patch & Corn Maze, 1649 Poplar Ave., Canon City Kids & Families*

### Microvora Gourmet/ Medicinal Mushrooms & Microgreens Farm Tour

Experience mushrooms and microgreens with all five senses on this tour of a brand new 10,000 sq ft indoor organic growing farm.

**Oct 15, 16 & 17 11am-1pm**

**25 max per tour** ✓

*Microvora, 3685 So. Highway 85-87 Unit 2 & 3 Co Spgs All ages*

### Makerspace Tour at Monumental Impact

Monumental Impact is a space designed to help high school students with programs in technology, engineering, and entrepreneurship.

**Oct 15 1-3pm**

*Monumental Impact, 55 Adams St, Monument*

### Meet Colorado Native Wildlife with Nature's Educators!

Tour our brand new nature center in Florence to meet a real Bald Eagle, Barn Owl, and various herptiles and invertebrates!

**Oct 15 2-3pm 30 max** ✓ \$

*Nature's Educators, 4498 Bear Paw Drive, Florence Kids & Families (5 years and up)*

Many More Events, Registration, Details and Updates: [www.coolscience.org/cool-science-festival.html](http://www.coolscience.org/cool-science-festival.html)