

FRI OCT 19 (continued)

“Mineral Springs and Geology of Manitou”

Dave Wolverton, former president of the Mineral Springs Foundation, will explain the special geology which formed the artesian system, followed by a short walking tour of the springs.
11am to 12:15pm 75 Max
 Manitou Springs Heritage Center - 517 Manitou Ave. Manitou Springs

Fun Friday with Cool Science

Learn about the science of ice cream and make your own.
 Lots of activities all day.
2pm to 4pm 25 Max
 Pueblo Public Library
 100 East Abriendo Ave. Pueblo

Family Science Night featuring MESO - Mobile Earth & Space Observatory

Enjoy hands-on inquiry activities to explore the natural world and solve problems just like a real scientist!
5pm to 8pm (BSCS until 6:30, MESO will remain open)
 BSCS Science Learning,
 5415 Mark Dabbling Blvd.

Nocturnal Nature Live Animal Presentation and Evening Hike

Meet a live owl, snake or other nocturnal creature, then hike the trails with a guide to listen for sounds of the night!
6:30pm to 8:30pm 20 Max
 Bear Creek Nature Center
 245 Bear Creek Rd. Colo Spgs



Many festival events welcome school field trips. For information and possible financial aid, contact programs@coolscience.org



For more detailed event descriptions, additional events, and latest updates...
www.coolscience.org/cool-science-festival.html

SATURDAY, OCTOBER 20

Trail Work & Design in Palmer Park

(See Oct 13 Description)
8:30am to 3:00pm 20 Max
Fun with Science Day
 A full day of fun hands-on STEM activities and of course Dinosaurs!
10am to 3pm
 Dinosaur Resource Center
 201 S. Fairview St. Woodland Park

Big Messy Art! Putting the “A” in S.T.E.A.M.

A full day of messy hands-on STEAM activities for kids including slime, paper airplanes and color mixing with paint.
11:00am to 4:00pm \$
 Buell Children’s Museum
 Sangre de Cristo Arts Center,
 210 N Santa Fe Ave. Pueblo
 Kids & Families

Family Fun Workshop: City of Sunshine

Learn why TB (tuberculosis) patients around the country came to Colorado Springs over 100 years ago. Make a sputum cup and sample the TB diet.
2pm to 3pm 30 Max
 Colorado Springs Pioneers Museum
 215 S. Tejon St. Colo Spgs
 Kids & Families

Weekend Raptor Talk

(See Sun. Oct. 14 Description)
11:30am to 12:00pm \$

SUNDAY, OCTOBER 21

Trail Work & Design in Palmer Park

(See Sat. Oct. 13 Description)
8:30am to 3:00pm 20 Max
Weekend Raptor Talk
 (See Sun. Oct. 14 Description)
11:30am to 12:00pm \$

The Mathematics of Beauty

Discover the Golden Ratio of mathematics and its relationship to beauty in nature and the human experience.
Doors 5:30pm 6pm to 8pm
 Reception to follow.
 MacLaren Society:
 Thomas MacLaren School
 Berger Hall at UCSS

Colorado Springs Mini Maker Faire



**SATURDAY, OCTOBER 20
 10am to 4pm**

Maker Faire is the Greatest Show (and Tell) on Earth - a family-friendly showcase of invention, creativity and resourcefulness, and a celebration of the Maker movement. It’s a place where people show what they are making, and share what they are learning.

Pikes Peak Library District - Library 21c
 1175 Chapel Hills Dr. Colorado Springs



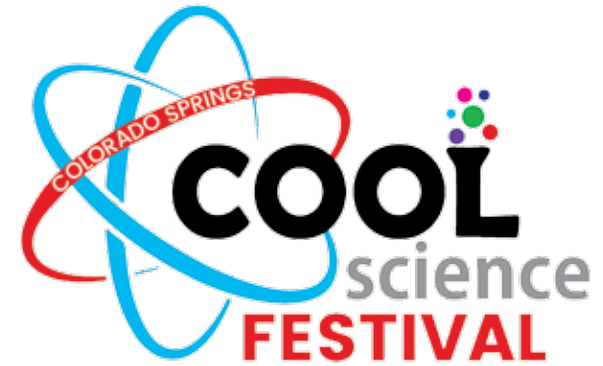
STEAM
 Science - Technology
 Engineering - Art - Math

Thank You **Sponsors, Donors, Presenters and Volunteers** who make this festival possible!



Support this Festival and All Cool Science Programs with Your Donation...
www.coloradogives.org/coolscience
COLORADOGIVES.ORG®

A Pikes Peak Region Celebration of STEAM with Over 60 Events for All Ages at Multiple Locations



OCTOBER 13-21, 2018



Festival details and registration
www.coolscience.org



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 limited attendance events require the purchase of a \$3 online "ticket" to secure a reservation. This is to insure that reservations go to those who intend to show up. (Details online)

FRIDAY, OCTOBER 5

Science Riot! Special Pre-Festival Event
Laugh with 6-8 real scientists doing live stand-up comedy after taking a crash-course in comedy writing and performance!
Doors at 7:30pm Show at 8pm
Ivywild School Gymnasium Adults Only
1604 S. Cascade Ave. Colo Spgs ☑ \$

SATURDAY, OCTOBER 13
10am to 4pm



**FREE FUN DAY
OF SCIENCE FOR KIDS!**

FREE science shows, lab tours, dozens of hands-on STEAM activities and much more!

UCCS Main Campus
1420 Austin Bluffs Parkway Colo Spgs

SATURDAY, OCTOBER 13

Trail Work & Design in Palmer Park
Learn about sustainable trail design and improvements by volunteering on a real project. Note: Participants must pre-register and commit to the full workday.
8:30am to 3pm 20 Max ☑
Rocky Mountain Field Institute
Adults, Teens, Teachers

Nature Palooza
A full day of fun family-friendly outdoor STEAM activities including our birds of prey, fly fishing, solar gazing and much more!
10am to 4pm
Nature and Wildlife Discovery Center
River Campus: 5200 Nature Center Rd, Pueblo \$

Rainbow Falls Geology Walk
Discover the rich geologic history of the Rainbow Falls area with PPCC Geology professor Mark Izold.
10am to 12pm 20 Max ☑ \$
Rainbow Falls Historic Site
1350 Serpentine Drive, Manitou Springs

Nature Journaling
Learn different methods to create your own nature journal while taking a short hike through the park.
10am to 12pm 20 Max ☑ \$
Fountain Creek Nature Center
320 Peppergrass Lane, Fountain

Introduction to Archaeology
Learn how ancient cultures are identified by the artifacts they leave behind.
12pm to 12:45pm 25 Max ☑
Garden of the Gods Visitor & Nature Center, 1805 N. 30th St., Colo Spgs

A Sonic Listening Walk
Explore the relationship between nature, poetry, music and sound with UCCS art students and faculty.
1pm to 2:30pm
Fountain Creek Nature Center
320 Peppergrass Lane, Fountain

International Astronomy Day Star Party
Celebrate IAD viewing the moon, stars and planets with our member's telescopes. Note: Weather Dependent
www.csastro.com for updates
7pm to 9pm
Colorado Springs Astronomical Society
Garden of The Gods Visitor Center
1805 N. 30th St. Colo Spgs ☑

SUNDAY, OCTOBER 14

Bird Walk with Aiken Audubon Society
Spend a quiet morning in the 460-acre Fountain Creek Regional Park on a gently-paced walk with an experienced birder to identify resident birds and any migrants passing through. **8am to 11am** 10 Max
Fountain Creek Nature Center,
320 Peppergrass Ln, Fountain ☑

Trail Work & Design in Palmer Park
(See Oct 13 Description) **8:30am to 3pm**
Paseo Road entrance Palmer Park ☑

National Fossil Day!
A full day of fun including paleo lab, digging for fossils, scavenger hunt, story time and more! **10am to 3pm** \$
Florissant Fossil Beds National Monument
15807 County Road 1, Florissant

**Cool Science Sunday
Science on the Street**
Science busking comes to Manitou Springs. Stop by and play with some of our cool stuff while you learn a little science.
11am to 3pm Cheyenne Mineral Spring
934 Manitou Ave. Manitou Springs

Weekend Raptor Talk
An informative talk about our majestic raptors, including live hawks, owls, falcons and vultures. **11:30am to 12:00pm** \$
Nature & Wildlife Discovery Raptor Center
4828 Nature Center Rd, Pueblo All Ages

MONDAY, OCTOBER 15

Prairie Ecology Walk
Explore one of the largest uninterrupted stretches of short grass and sand sage prairie left in the country with an experienced guide. **9am to 12pm** ☑
Chico Basin Ranch
22500 S. Peyton Highway
(35 minutes from Colo Spgs airport)

The Noisy Magpie
Learn fascinating facts about this highly intelligent bird, which is also the unofficial mascot of the park.
11:00am to 11:45am 25 Max ☑
Garden of the Gods Visitor & Nature Center,
1805 N. 30th St., Colo Spgs

Aquatic Science with Concrete Couch
Learn about river ecology with the Atlas Prep Middle School Environmental Club at the future home of Concrete Couch.
3pm to 5pm 25 Max ☑
Shooks Run
Creek, 1100 South Royer Street, Colo Spgs

**EVENTS ARE COLOR
CODED BY AGE GROUPS**
GREEN = ALL AGES
PINK = KIDS & FAMILY
RED = ADULTS
ORANGE = TEENS & ADULTS
PURPLE = PRESCHOOL

**Behind the Scenes Tour
of FOX21 News Studio**
Join us for a behind-the-scenes look at your local FOX station! See the technology used to produce a newscast, weather and commercials.
4:30pm to 5:30pm 20 Max ☑
Fox 21 News Studio
560 Wooten Road, Colo Spgs

Wine Making 101
Learn how wine is made in this digestible overview of the whole process, whether commercial or home-made.
5:30pm to 6:30pm 20 Max ☑
Adults Only D'Vine Wine
(Inside the Old Spa Bldg)
934 Manitou Ave. Manitou Springs

Science on Tap
"Space Propulsion - How do we move around in space?" with Dr. Marty France (USAF Ret) **6:30pm to 8pm**
Jack Quinns Irish Pub & Restaurant
21 S. Tejon St. Colo Spgs

TUESDAY, OCTOBER 16

Firefighting Science
Watch teams of firefighters tackle a simulated structure fire and learn about the science and technology they use.
1pm to 3pm 15 Max ☑
Colorado Springs Fire Department
Firefighting Training Towers
375 Printers Parkway, Colo Spgs

Ecology Walk
Take a short walk along the Perkins Central Garden Trail to learn about the plants, animals and ecosystem of the park.
2:30pm to 3:15pm 25 Max ☑
Garden of the Gods Visitor & Nature Center
1805 N. 30th St., Colo Spgs

Underground Adventure
Learn about bats and caving on this special tour offered just for the Cool Science Festival! (\$5 per person)
3pm to 5pm 40 Max Cave of the Winds
100 Cave of the Winds Rd.
Manitou Springs

**Behind the Scenes Tour
of FOX21 News Studio**
(See Oct. 15 Description)
4:30pm to 5:30pm 20 Max ☑
Fox 21 News Studio
560 Wooten Road, Colo Spgs

Beer Science Tour and Tasting
Learn the science behind the brew process starting with the yeast, tour our semiautomatic brewing system, and taste the final product. (21+ for tasting)
5:30pm to 6:30pm 15 Max ☑
Bristol Brewing Company @ Ivywild School
1604 S. Cascade Ave. Colo Spgs

Manitou Springs Hydroelectric Tour
Get to know your H2O and hydro-energy during this rare opportunity to tour inside Manitou Springs historic power plant operating since 1905.
6pm to 7:30pm 40 max ☑
CSU Manitou Hydro Plant
540 Ruxton Ave, Manitou Springs
6th grade and older.

WEDNESDAY, OCTOBER 17

Nature Explorers: Go, Go Gophers!
Enjoy hands-on activities, puppet shows, stories, crafts, and a hike (children ages 4-5 with an adult)
9am to 10:30am & 1pm to 2:30pm
20 Max ☑ \$ Bear Creek Nature Center
245 Bear Creek Rd. Colo Spgs

WEDNESDAY, OCTOBER 17 3:30pm to 8pm
STEAM AT THE MAC
A showcase of **Science, Technology, Engineering, Art & Math**
Manitou Art Center and Maker Space 517 Manitou Ave. Manitou Springs

Fun with Pinball - Explore the electromechanical devices inside '70's-era pinball machines with expert Mark Gibson. Workshop 3:30-5pm followed by a walking tour of the Manitou "Penny" Arcade.

Art & Science of Welding - Steve Wood of Concrete Couch leads a "Fab Lab" workshop showing how electricity is used to fuse metal and create unique art sculpture. 3:30-5pm.

Lamp Glass Blowing - Learn how sand is transformed into beautiful and colorful works of art from master glass blower Jon Murray. 5-8 pm.

How to Boil Water - Approach cooking as a scientific experiment with master chef Lyn Harwell and learn how heat and altitude affect food. 5-8 pm.

Tour the MACShop - Discover all the resources available in the MAC Maker Space for artists, crafts-folks (and you), including 3D printers, laser cutters, printing presses, weaving looms, a CnC plasma cutter and much more. 5-8pm.

☑ Pre-registration (\$3 fee) All ages. 80 max. Food and drinks available in cafe.

Coroner's Office and Crime Lab Tour
Learn about forensic science with a behind the scenes look at the coroner's crime lab.
2pm to 3:30pm 20 Max ☑
El Paso County Coroners Office
2741 East Las Vegas Street, Colo Spgs
(Must be Age 16 or older.)

Ecology Walk
(See Oct. 16 Description)
2:30pm to 3:15pm 25 Max ☑
Garden of the Gods Visitor & Nature Center
1805 N. 30th St., Colo Spgs

Rattlesnakessssss!
All about our local prairie rattlesnakes.
4:00pm to 4:45pm 25 Max ☑
Garden of the Gods Visitor & Nature Center,
1805 N. 30th St., Colo Spgs

MESO on Tap @ Smiling Toad Brewery
Enjoy an IPA inside, then observe the sun, stars and planets in NSSTI's Mobile Earth & Space Observatory parked outside.
5pm to 9pm Smiling Toad Brewery
1757 S 8th St #100, Colo Spgs

Monthly Meeting and Bird Talk
Bill Maynard, local expert birder, retired biology teacher and wildlife biologist, will present "Where's the Beef? A Closer Look at Chico Basin Ranch."
7:00pm to 8:15pm ☑
Aiken Audubon Society
Bear Creek Nature Center
245 Bear Creek Road, Colo Spgs

THURSDAY, OCTOBER 18

**Trail & Environmental Restoration
in Garden of the Gods**
Learn about sustainable trail design and improvements by volunteering on a real project. (Geared to middle and high school groups.)
8:30am to 12:00pm ☑ 35 Max
12:30pm to 4:00pm ☑ 35 Max

Rocky Mountain Field Institute
Garden of the Gods Park

Intro to Garden of The Gods Geology
Take a short walk along the Perkins Central Garden Trail to learn about the geology and rock formations of the park.
2:30pm to 3:15pm 25 Max ☑
Garden of the Gods Visitor & Nature Center
1805 N. 30th St., Colo Spgs

Cool Science at the Library
Enjoy our famous Cool Science a chemistry magic show for kids.
4:15pm to 5pm 25 Max ☑
Old Colorado City Library
2418 W Pikes Peak Ave, Colo Spgs

MESO on Tap @ Fossil Craft Beer
Enjoy a paleontology-themed beer inside, then observe the sun, stars and planets in NSSTI's Mobile Earth & Space Observatory parked outside.
5pm to 10pm
NSSTI & Fossil Craft Beer
2845 Ore Mill Rd #1, Colo Spgs

Beer Science Tour and Tasting
(See Tue. Oct 16 Description)
5:30pm to 6:30pm 15 Max ☑
Bristol Brewing Company @ Ivywild School

Science Riot Comedy Showcase
Laugh with 6 real scientists - veterans and newbies - doing live stand-up comedy after taking a crash-course in comedy writing and performance!
Doors at 7:30pm
Show at 8:15pm 70 Max ☑ \$
Manitou Art Center 517 Manitou Ave.
Manitou Springs Adults Only

FRIDAY, OCTOBER 19

Preschool Program: Bats
Storytime reading of "Stellaluna" followed by a take-home craft project about bats.
10:00am to 10:45am 15 Max ☑
Garden of the Gods
Visitor & Nature Center
1805 N. 30th St. Colo Spgs
Kids & Families