

- FRIDAY, OCTOBER 18 -

Science Story Time: Julie & The Atom

Follow the adventures of a little girl named Julie as she learns about the atoms that make up her world. **1-2pm** Max 35

Host: Cool Science
Pueblo Library - Lucero Branch
1315 E 7th St. Pueblo
Pre-School to 3rd Grade



Kids Cooking Science - How to Boil Water

Kids get to experiment in the kitchen with master chef Lyn Harwell and discover the effects that water, heat and altitude have on the ingredients in foods.

3-5pm 20 Max
Manitou Art Center
515 Manitou Ave. Kids & Families

Mobile Earth & Space Observatory (MESO)



Family Engineering and Science Night

Hands-on family-fun "Engineering and Science" activity inside, and the Mobile Earth & Space Observatory (MESO) outside.

6-9pm
Hosts: BSCS Science Learning, NSSTI
5415 Mark Dabbling Blvd. Co Spgs Kids & Families

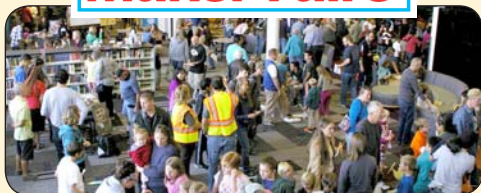
- SATURDAY, OCTOBER 19 -

Becoming Invisible

Discover the many ways that animals use camouflage through games, activities, crafts and discussion.

10am-2pm Max 20
Bear Creek Nature Center
245 Bear Creek Rd. Co Spgs Kids (Ages 6-11)

Colorado Springs Mini Maker Faire®



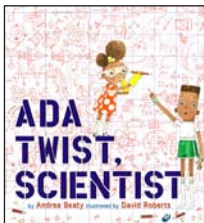
SATURDAY, OCTOBER 19 10am-4pm

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



- SUNDAY, OCTOBER 20 -



Science Story Time

Little scientists will love the story of "Ada Twist, Scientist" and learn about other fun science books.

11am-Noon
Little Richard's Toy Store
324 N. Tejon Street Co Spgs
Pre-School



Science of Toys

Cool Science demonstrates the real science behind some very cool toys. **Noon-3pm**

Host: Cool Science
Little Richard's Toy Store
324 N. Tejon St. Co Spgs
Kids & Families

Cog Railway Locomotives Explained

Learn about the steam, diesel and hybrid Diesel/Electric locomotives that run the rails of the famous Cog Railway.

1-2pm Max 75
Manitou Springs Heritage Center
517 Manitou Ave. Manitou Springs
Teens & Adults



There are More Festival Events Online

Registration - Details - Updates
www.coolscience.org/cool-science-festival.html

FESTIVAL SPONSORS



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

COLORADO SPRINGS



OCT 12-20, 2019

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

50+ COOL Events!
Something for Everyone!



www.coolscience.org

- SATURDAY, OCTOBER 12 -



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



Univ. of Colorado at Colorado Springs - Main Campus
1420 Austin Bluffs Parkway
Colorado Springs 80918

Night at The Museum

History comes to life with Nikola Tesla and lots of hands-on activities. The Mobile Earth & Space Observatory - MESO will be outside for stargazing.

4:30-9:30pm

Colorado Springs Pioneers Museum
National Space Science & Technology Institute (NSSTI)
215 So. Tejon St. Co Spgs
All Ages

- SUNDAY, OCTOBER 13 -

Bird Walk with Aiken Audubon

Spend a quiet morning on a gently paced walk with an experienced birder to identify resident birds and any migrants passing by.

8-11am Max 15

Host: Aiken Audubon Society
Fountain Creek Nature Center
320 Peppergrass Lane, Fountain 80817

Guided Springabout Walking Tour

Learn about Manitou's famous mineral springs, history and geology, as you taste your way along this guided tour.

11am-12:30pm Max 30

Mineral Springs Foundation
7 Minute Spring, Manitou Springs
(See online calendar for directions.)
All Ages

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

Learn about the advanced scientific work done in our town's first few decades! Including the first x-rays west of the Mississippi. **1-2pm**
Manitou Heritage Center
517 Manitou Ave. Teens & Adults

Sunday Science on the Street

Science busking in downtown Manitou Springs. Play with cool stuff while you learn a little science.

1pm-4pm Cool Science

Cheyenne Mineral Spring
934 Manitou Ave.
Manitou Springs All Ages

UCCS Theatreworks Presents "ARCADIA"

Playwright Tom Stoppard combines love, landscape and the Second Law of Thermodynamics. Moving between an uprooted garden in 1809 England and two scholars solving a mystery in the present day, **ARCADIA** blurs the lines between past and present, order and chaos. The London Times has described the play as "perfect marriage of ideas and high comedy." The math and physics incorporated into the play include thermodynamics (entropy), computer algorithms, fractals, chaos, population dynamics and the concept of time. Come early for a panel discussion of the science and literature themes in the play.

12:30-4:30pm Max 25

Panel-12:30pm Performance-2pm
Ent Center for the Arts - UCCS
5225 N. Nevada Ave. 80918
Teens & Adults



- IMPORTANT NOTE -

ONLINE PRE-REGISTRATION OR TICKETS ARE REQUIRED FOR MOST EVENTS

www.coolspace.org/cool-science-festival.html

Most Festival Events are FREE - AND - Also require Pre-Registration. Some limited attendance events require purchase of a \$2 or \$3 online "ticket" to secure a reservation. This is to insure that reservations go to those who intend to show up. (Details online)

- MONDAY, OCTOBER 14 -

Science Escape Room Experience - "The Lethal Lab"

You'll need all of your powers of observation and logic to find clues, solve puzzles and open locks to escape! **2-9pm** 4 x 1-hour sessions
Special Festival Price Max 40
Mystery Quests Escape Rooms
5526 N. Academy Blvd. Suite 203
Co Spgs All Ages



Science on Tap "The Turing Machine"

Prof. Barry Fagin (USAFA) presents Alan Turing's fundamental contributions to computer science and demonstrates "The Turing Tumble", a new toy / game that teaches how computers work. **6:30-8pm**
Host: Cool Science
Jack Quinn's Irish Pub & Restaurant,
21 South Tejon St. Co Spgs
Teens & Adults

Net-Zero Energy Homes: A Case Study

The Southeast Colorado Renewable Energy Society (SECRES) presents the design, construction, cost, and performance of a net-zero energy home in Monument, Colo. **6:30-8pm**
Host: Southeast Colorado Renewable Energy Society (SECRES)
Pikes Peak Library District - East Library
5550 N Union Blvd. Co Spgs
Teens & Adults

- TUESDAY, OCTOBER 15 -



Coyote Camp

Delve into scientific exploration of Shooks Run Creek and the Mesa areas.

Examine bugs and critters, measure water temperature & PH, map transects of the creek, and more.

9am-Noon (Tue-Wed-Thu)

25 Max Each Day
Concrete Couch - Concrete Coyote
1100 S Royer St. Co Spgs All Ages

MESO at the Discovery Center

The Mobile Earth & Space Observatory visits the space museum with telescopes and other fun hands-on activities.

11am-4pm

National Space Science & Technology Institute (NSSTI)
Space Foundation Discovery Center
4425 Arrowswest Dr. Co Spgs All Ages

Night Sky Safari at the USAFA Planetarium

Join the planetarium's astronomer for a stunning tour of the planets, stars, constellations and other intriguing astronomical phenomena visible in the autumn night sky over Colorado. **10-11am (Sold Out)**
11:15am-12:15pm Max 110
US Air Force Academy Planetarium
(See online calendar for directions.)
All Ages

Science Escape Room Experience - "The Lethal Lab"

(See Oct 14)
2-9pm 4 x 1-hour sessions.
Special Festival Price Max 40



Underground Adventure

Learn about geology, caving and bats on this special tour offered just for the Cool Science Festival. *Special Festival Price*

4-5:30pm Max 40

Cave of the Winds Mountain Park
100 Cave of the Winds Road
Manitou Springs All Ages

Bailey Water Treatment Plant Tour

Lots of science and engineering goes into providing high quality drinking water. **4-6pm** Max 50

Colorado Springs Utilities
Edward Bailey Water Treatment Plant
977 Marksheffel Rd. Co Spgs
Teens & Adults

FOX21 News Studio Tour

Take a behind-the-scenes look at your local FOX TV station. See the technology used to produce a newscast, weather and commercials. **4:30-5:30pm**
20 Max FOX 21 & CW57
560 Wooten Rd, Co Spgs Teens & Adults

Beer Science Tour and Tasting

Drink in the science of brewing beer and effect of different hop varieties, then enjoy a limited tasting of Bristol's beers with some unexpected modifications.

6-7:30pm Max 15

Bristol Brewing Company
1604 Cascade Ave. Co Spgs Adults

- WEDNESDAY, OCTOBER 16 -

Coyote Camp

(See Oct.15)
9am-noon 25 Max
Concrete Couch - Concrete Coyote
1100 S Royer St. All Ages

Coroner's Office & Crime Lab Tour

Explore forensic science with a behind the scenes look at the El Paso County Coroner's Crime Lab. **2-3pm** Max 20
El Paso County Coroner's Office
2741 East Las Vegas St. Co Spgs
Teens (16+) and Adults

Dream Big: Engineering Our World

The award-winning and awe-inspiring IMAX film shows how engineers push the limits of innovation. See it on a 50-foot tall Planetarium dome! **2:30-3:30pm**
Max 110 US Air Force Academy Planetarium (Directions online) All Ages

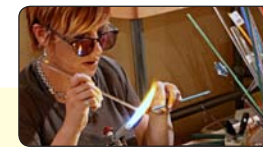


FOX21 News Studio Tour

(See Oct.15)
4:30-5:30pm 20 Max
FOX 21 & CW57 560 Wooten Rd. Co Spgs
Teens & Adults

Planetarium Shows at the NEW Challenger Learning Center

Enjoy a hands on, space-themed robotics activity and an educator driven Night Sky show in the new Mikkelson Planetarium. **5-8pm**
3 x 1-hour sessions. Max 180
Challenger Learning Center of Colorado
8717 Wolf Valley Drive Co Spgs
Kids & Families



DISCOVER THE MAC MAKERSPACE!

Artists and craftsmen demonstrate woodshop skills, 3D printing, laser cutting, glass blowing, textile weaving and other resources available for all creative types at the Manitou Art Center (MAC). Drop in anytime **5-8pm**
Manitou Art Center 513 Manitou Ave.
Manitou Springs All Ages

Beer Science Tour and Tasting

(See Oct.15) **6-7:30pm** Max 15
Bristol Brewing Company
1604 Cascade Ave. Adults

Public Viewing Observatory Night

The Starlight Observatory will open for the public to view Jupiter, Saturn, and possibly the Moon right at moonrise.

6:30-9pm

Host: Zack and Zoey Adventures
Trailblazer Elementary
2015 Wickes Rd. Cos Spgs All Ages

- THURSDAY, OCTOBER 17 -

Coyote Camp

(See Oct.15)
9am-noon 25 Max
Concrete Couch - Concrete Coyote
1100 S Royer St. All Ages

Fire Fighting Science

Observe real fire fighters tackle a simulated structure fire and learn about the science and technology they use. **2-3:30pm** 15 Max
Colorado Springs Fire Department
CSFD Administrative HQ & Museum,
375 Printers Pkwy. Co Spgs All Ages

How to Boil Water - The Fun Science of Cooking!

Discover the effect that water, heat and altitude have on the ingredients in foods as master chef Lyn Harwell shares tricks and recipes in this tasty class. **6-8pm** Max 20
Manitou Art Center 515 Manitou Ave.
Manitou Springs All Ages

Cosmic Show - Christa McAuliffe Planetarium

Enjoy an outa-this-world planetarium show inside, then outside observe the real thing with the Mobile Earth & Space Observatory (MESO) telescopes. **6:30-8:30pm** Max 120
Hosts: Pueblo School District 60, NSSTI
Centennial High School
2525 Mountview Dr. Pueblo All Ages

- FRIDAY, OCTOBER 18 -

Chemistry Magic with Cool Science

Our classic show with Professor Ron Furstenau travels to Pueblo!
11am-Noon Max 35
Pueblo Library - Barkman Branch
1300 Jerry Murphy Rd. Pueblo
Kids & Families