

Science on Tap: Colorado Springs, the American West, and the Total Eclipse of 1878. Get ready for the eclipses in October and April as local author a science historian Steve Ruskin tells about the role Colorado played in the first Great American Eclipse. *6:30-8pm* Jack Quinn's Irish Pub & Restaurant, 21 S Tejon St. *Teens & Adults*

TUESDAY, OCT 10

Nature's Classroom: Discover Bear Creek Puppet show and discovery hike for children to learn about and fine-tune their senses. *1-2:30pm* Bear Creek Nature Center, 245 Bear Creek Rd *Grades Pre-K & Kindergarten, RR,\$*

WEDNESDAY, OCT 11

Cool Science Festival Family Friendly Bats & Cave Tour This is our popular deeply discounted tour just for the Cool Science Festival, covering history, geology and wildlife of the cave and it's beautiful formations (7 90-120 min sessions). *10am-4pm* Cave of the Winds Mountain Park, 100 Cave of the Winds Rd, Manitou Springs *All ages, RR, \$*

LEGO Build Build something amazing with LEGO (or DUPLO for the youngest builders). Idea books and special challenges provided. *4:30-5:30pm* High Prairie Library, 7035 Old Meridian Rd. *Ages 3-12*

Foothills Elementary STEAM Night Join Cool Science, the Mobile Earth & Space Observatory and other groups for a family friendly night of hands-on STEAM activities. *6-8pm* Foothills Elementary School, 825 Allegheny Dr. *Kids & Families*

THURSDAY OCT 12

2s & 3s Outdoors: Oh my Gourd! Stories, activities and a short hike for young children (with an adult) to learn about and enjoy nature. *9-10:30am* Fountain Creek Nature Center, 320 Peppergrass Ln, Fountain *Ages 2-3, RR,\$*

Stories & STEAM Pikes Peak Children's Museum leads a STEAM-based story time and craft for preschool children. *10:30-11:30am* Who Gives a SCRAP, 810 Arcturus Dr. *Pre-K, RR*



Experience Race Car Engineering with the Experts! Meet real engineers and race car drivers and experience what it takes to race to the top in the Pikes Peak International Climb. *10-11:30am* Penrose Heritage Museum, 11 Lake Circle, *All ages*

Cool Science Festival Caving 101 Tour Explore undeveloped sections of the Manitou Grand Caverns, climbing and crawling through passageways lit only by flashlight. 2 hours of muddy fun underground! *11am-1pm* Cave of the Winds Mountain Park, *Teens & Adults, RR, \$*

Homeschool: Introduction to Machine Learning Homeschoolers will find out how machines learn using Teachable Machine by Google to create their own AI machine learning model. *2-3pm* Sand Creek Library, 1821 S. Academy Blvd. *Ages 12-18, RR*

Aquaponics Tour - Lettuce that changes the world. (See Oct. 5 for description.) *3-4pm.* Emerge Aquaponics, *All ages, RR.*



Starry Night Inspired Art (See October 3 for description.) *4-5 pm* Library 21c, 1175 Chapel Hills Dr. *Ages 5-12, RR*
4-4:45 pm Rockrimmon Library, 832 Village Ctr Dr. *Ages 5-12, RR*

Tween/Teen Hangout: Solar Cupcakes & Eclipse Science Make some sweet visualizations while learning how to measure temperature changes during the eclipse. *4-5:30pm* Giodone Branch Library, 24655 US-50 BUS, Pueblo *Tweens & Teens*

Tween Time: Kitchen Science Series See Oct 5th for description. *4:30-5:30pm* Rawlings (Main) Branch Library, 100 E Abriendo Ave, Pueblo *Tweens*

The Great American Solar Eclipses in Oct. 2023 & April 2024 (See October 4 for description) *5:30-6:30pm* Cheyenne Mountain Library, 1785 S 8th St *All ages*

FRIDAY OCT 13

2s & 3s Outdoors: Oh my Gourd! (See October 12 for description) *9-10:30am* Fountain Creek Nature Center, 320 Peppergrass Ln, Fountain *Ages 2-3, RR,\$*

ERC Make A Masterpiece: Wenzel Hablik's Universe (See Oct 6 for description) *10-11:30am* Cheyenne Mountain Library, 1785 S. 8th St. *Ages 8-13, RR*

Eclipse Art Take & Make Create your own picture of a solar eclipse using chalk and paper. Pick up free materials at all PPLD branches today only! 10am until gone All branches *Ages 5-12*

Colorado Springs Utilities Water Quality Laboratory Tour Up-close look at out how CS Utilities tests and maintains all drinking water standards with chemistry, microbiology and analytical instrumentation. *10-11:30am* Colorado Springs Utilities Water Quality Laboratory, 701 E. Las Vegas St. *Ages 10+, RR*

How the Fire Service Uses Science (See October 6 for Description) *1-3pm* CSFD Administrative HQ, 375 Printers Pkwy, 80910 *Ages 9+, RR*

Cool Science Pumpkin Patch Beat the weekend crowds with this exclusive discounted Cool Science Festival only event! Enjoy patch games and our popular pumpkin smash station. *1-4pm* Western Museum of Mining and Industry, 225 North Gate Blvd. *Kids & Families, RR, \$*



Homeschool Science: Be Ready for the Eclipses! NASA-certified Eclipse-ambassador will prepare homeschoolers for safely viewing the Solar eclipses using various techniques, including free viewing glasses. *1-2:30pm* Library 21c, 1175 Chapel Hills Dr. *Ages 5-12*

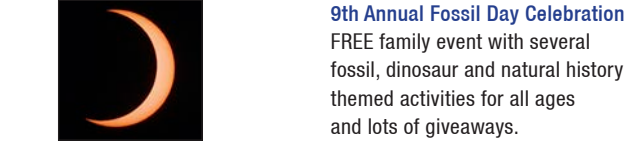
LEGO Engineering: Car Races & Epic Marble Runs (See Oct 5 for description.) *3:30-4:30pm* Ute Pass Library, 8010 Severy Rd. *Ages 5-12, RR*

Art in Nature Students will explore their creative side while exploring the art potential within our parks. *4:30-6pm* Bear Creek Nature Center, 245 Bear Creek Rd *Ages 8-12, RR,\$*

Habitats for Bats! Enjoy an evening program and hike to learn about nature's flying mammals! *5:30-7:30 pm.* Nature & Wildlife Discovery Center - River Campus, 5200 Nature Center Rd, Pueblo. *All ages, RR, \$*

SATURDAY OCT 14

Lights Out: Experiencing a Solar Eclipse! Watch today's annular solar eclipse through the COS Astronomical Society's special telescopes and your with own DIY solar viewer. *9am-4pm* Space Foundation Discovery Center, 4425 Arrowswest Dr. *All ages, \$*



Eclipse Viewing at Giodone View the eclipse through a special telescope and free eclipse glasses, watch NASA live stream, and make eclipse cookies. *9-11am* Giodone Branch Library, 24655 US-50 BUS, Pueblo *All ages*

Great American Eclipse 2023 Viewing Party View the annular solar eclipse with PPLD from George Fellows Park (behind the library). Games, activities and refreshments. Limited number of free eclipse viewing glasses. *9:30am-12pm* East Library, 5550 N. Union Blvd. *All ages*

Painting in the Paint Mines Paint at the Paint Mines with Karen Storm, an award winning plein air artist from the Pike's Peak Region. *9am-12pm* Paint Mines Interpretive Park, 29950 Paint Mine Rd, Calhan *All ages, RR,\$*



Paint Mines Interpretive Hike Amazing interpreters will show you around the park and share their knowledge of the history, artifacts and fascinating rock features. *9:30-11:30am* Paint Mines Interpretive Park, 29950 Paint Mine Rd, Calhan *All ages, RR,\$*

THANK YOU Sponsors, Donors, Presenters & Volunteers who make this Festival possible!

Support this Festival and Cool Science Programs with a Donation... www.coloradogives.org/ coolscience

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9th Annual Fossil Day Celebration FREE family event with several fossil, dinosaur and natural history themed activities for all ages and lots of giveaways. *10am-2pm* Garden of the Gods Visitor & Nature Center, 1805 North 30th St. *All ages*

Archaeology Day Celebration Learn, explore, and discover with a talk and short hike led by a professional archaeologist! *10-12pm* Fountain Creek Nature Center, 320 Peppergrass Ln, Fountain *Ages 10+, RR,\$*

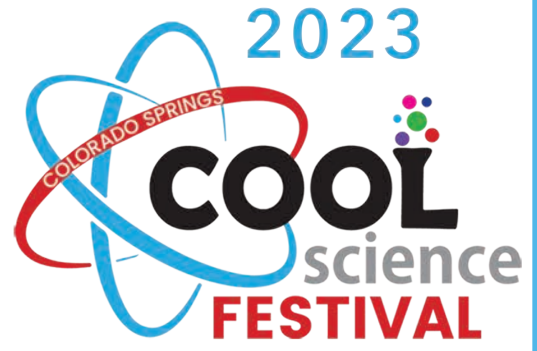
Citrus Winery Tour & Tasting (See September 30 for description) *Noon, 1 and 2pm* Evergood Adventure Wines, 613 County Line Rd, Unit L, Palmer Lake *Adults, RR*



Soil Superheroes: An Underground Adventure with Microbes Learn about microorganisms in soil and how they can revitalize dry depleted dirt. Educational and entertaining for kids and adults! *3-4pm* UCCS Downtown Campus, 102 S Tejon, Suite 105-A *All ages, RR*

SUNDAY OCT 15

Sunday Science on the Street Enjoy a nice fall day in Manitou Springs and play with some science toys. *11-3pm* Cheyenne Spring, Manitou Springs, *All Ages*



SEPTEMBER 30 - OCTOBER 15



Festival Sponsors



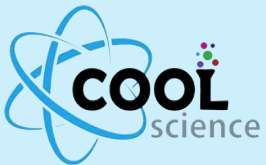
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Festival Partners



www.coolscience.org

SATURDAY SEPTEMBER 30



Carnival Day For Kids!

10am – 4pm



Our biggest event of the year – and it's FREE! Science shows, performances, lab experiments, live animals, rockets, robots, race cars, telescopes and microscopes, drones, virtual reality, planes, bugs, liquid nitrogen ice cream and much more!

Kids & Families



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

Lego Habitats Build Lego habitats at Bear Creek Nature Center with the Bricks and Minifigs team. 9am, 11am, 1pm (90 min each) Bear Creek Nature Center, 245 Bear Creek Rd, Kids & Families, RR, \$



Creek Week Kickoff Begin this annual week-long clean up event by cleaning the trails, woods, and creek in the park. 9-12pm Fountain Creek Nature Center, All ages, RR

Repair Café Toss it? No Way! Fix it at Repair Cafe! Save money, help the environment, and learn repair skills! 1-4pm Pikes Peak Makerspace, 735 E Pikes Peak Ave. Adults & Teens

Citrus Winery Tour & Tasting

Learn how wine can be made from lemons, not grapes. Special FREE 60-min tour of the winery and tasting just for the Cool Science Festival! Noon, 1pm, 2pm, Also on OCT 7 & 14 Evergood Adventure Wines, 613 County Line Rd, Unit L, Palmer Lake, CO 80133, Adults, RR

Creek Week Clean-n-Crawl

Join us at 4 of the best bars downtown – have a blast helping to protect local waterways by cleaning up trash along the creek! Prizes too. 1-5pm Meet at Atomic Cowboy at 1pm, 528 S Tejon St. Adults, RR, \$.

SUNDAY OCT 1



Cool Bugs at the May Museum

Special discount admission to one of the world's largest- and creepiest- private collections of exotic insects, plus a live bug hunt for kids! 9am-6pm May Natural History Museum, 710 Rock Creek Canyon Road All ages, \$

Nature Journaling on Pikes Peak

Hone your observational skills and learn more about the ecosystems on Pikes Peak, including a family friendly short hike. 10am-12pm Crystal Reservoir Visitors Center (Mile 6), Entrance gate is 5089 Pikes Peak Highway, Cascade Kids & Families, RR

MONDAY OCT 2

Carbon Management - Friend or Foe of Sustainability?

Panel Discussion highlighting the differences between sustainability, environmentalism and climate action 5-7pm Jack Quinn's Irish Pub & Restaurant, 21 S Tejon St. Adults & Teens, RR

- IMPORTANT NOTE -

Most festival events are free, but most also require online pre-registration (RR).
More info at www.coolscience.org/cool-science-festival-schedule

TUESDAY OCT 3



Cool Science Day at the USAFA Planetarium Space-themed movies and night sky shows on the USAFA Planetarium dome (60 mins each):

12pm Oasis in Space & Live Night Sky

2pm Black Holes & Live Night Sky

4pm Oasis in Space & Live Night Sky

6pm Black Holes & Live Night Sky

U.S. Air Force Academy Planetarium, 2120 Cadet Dr. (inside U.S. Air Force Academy) All ages, RR

Starry Night Inspired Art Create your own artwork inspired by Vincent van Gogh's *The Starry Night* and Alma Thomas' *Starry Night and the Astronauts*. 4:15-5:15pm Calhan Library, 600 Bank St. Calhan Ages 5-12, RR

WEDNESDAY OCT 4

Water Wise Demonstration Garden Tour Tour CSU's Water Wise Demonstration Garden and learn about plants and landscaping approaches for the Pikes Peak Region. 10-11am CS Utilities Conservation and Environmental Center, 2855 Mesa Rd. Adults, RR

The Great American Solar Eclipses in Oct. 2023 & April 2024 Talk will discuss the history and culture of solar eclipses, the basic science and where and how to view them safely with free viewers from the COS Astronomical Society 1-3pm Old Colorado City Library, 2418 W. Pikes Peak Ave. All ages

APR Craft Wednesday: Starfish & Seashell Wind Chimes Create your very own ocean themed wind chime using starfish, seashells and beads. 3-5pm Pueblo West Branch Library, 298 S. Joe Martinez Blvd, Pueblo West Kids & Families

Coding Series - Art Beginners can learn to code art projects in Scratch, using a curriculum from the computer scientists at Google. Note: first class of 8-week series. 4-5pm Manitou Springs Library, 517 Manitou Ave., Manitou Springs Ages 9-15, RR

Cybersecurity Awareness Night for K-12 Parents/Students Parents will hear from industry and education experts while students enjoy hands-on activities to increase cybersecurity awareness. 5:30-7pm UCCS Cybersecurity Center,, 3650 N. Nevada Ave. Kids & Families, RR

THURSDAY OCT 5

Nature Adventures: Tarantulas on Parade Kids 3-6, with an adult, will enjoy puppet shows or stories, crafts, hands-on activities, and discovery time on the trail. 9-10:15am Fountain Creek Nature Center, 320 Peppergrass Ln, Fountain Ages 3-6, RR, \$

Homeschool: Science Fair Made Simple This interactive workshop led by the PP Regional Science & Engineering Fair will help students work through the steps of turning a general idea into a successful science project. 11:30am-1pm Library 21c, 1175 Chapel Hills Dr. Ages 7+, RR

Art Inspiration Adults will explore art techniques including painting and drawing. Basic materials provided by the Friends of the Rockrimmon Library. 1-4pm Rockrimmon Library, 832 Village Center Dr. Adults, RR

LEGO Engineering: Car Races & Epic Marble Runs Learn the engineering process and Newton's Laws of Motion as you build and race LEGO cars. Also create an epic marble run.

3:30-4:30pm Penrose Library, 20 N. Cascade Ave. Ages 5-12, RR

4pm-5pm Sand Creek Library, 1821 S. Academy Blvd. Ages 5-12, RR



Tween/Teen Hangout: Make a Secchi Disk Create a Secchi disk and learn how to measure water clarity of streams and ponds. 3-6pm Giodone Branch Library, 24655 US-50 BUS, Pueblo Tweens & Teens

Aquaponics Tour - Lettuce that changes the world. Tour our 22,000-foot greenhouse in Black Forest to learn the science of aquaponics and meet our 800 fish. 3-4pm. Emerge Aquaponics, 4135 Shoup Rd. All ages, RR.

Tween Time: Kitchen Science Series Hangout with other tweens to experiment with Kitchen Science: four different activities you can discover in your own kitchen. 4:30-5:30pm Rawlings Branch Library, 100 E Abriendo Ave, Pueblo Tweens

Planetarium Shows Explore the Colorado night sky and tour our solar system in a free 25-min educator driven show at the Mikkelson Planetarium. 5 sessions, 5:30-8pm Challenger Learning Center, 8717 Wolf Valley Dr. All ages, RR

FRIDAY OCT 6

ERC Make A Masterpiece: Wenzel Hablik's Universe Homeschoolers: Create a fanciful universe of your own inspired by the Expressionistic style of Wenzel Hablik using chalk pastels, paint, intriguing painted papers and more. 10-11:30am East Library, 5550 N. Union Blvd. Ages 8-13, RR



How the Fire Service Uses Science Watch real CSFD trainees simulate fighting a structure fire in the training tower and learn how you can join the fire service. 10am-noon CSFD Administrative HQ, 375 Printers Pkwy, 80910 Ages 9+, RR



A-(Corn)-Mazing Math! Learn the trick (based on math!) to find your way through this huge Jumanji jungle themed corn maze and enjoy lots of family-friendly farm activities. 10am-9pm Diana's Pumpkin Patch & Corn Maze, 1724 Poplar Ave. Canon City, CO 81212 Kids & Families, \$

Nature Adventures: Tarantulas on Parade (See October 5 for description.) 9-10:15am Fountain Creek Nature Center, 320 Peppergrass Ln, Fountain Ages 3-6, RR,\$

Pikes Peak Summit House Tour : Behind the Scenes Enjoy this special tour of the new Visitor Center, focusing on the amazing technology that makes this building atop a 14,115 mountain sustainable. 11am-12pm Pikes Peak Summit Visitors Center, Entrance gate is at 5089 Pikes Peak Highway, Cascade All ages, RR

Pueblo Rocks! Use nature as your inspiration to paint your rocks. 12-2pm Greenhorn Valley Branch Library, 4801 Cibola Dr, Colorado City All ages

SATURDAY OCT 7

Creek Week Cleanup Help clean the trails, woods, and creek in the park. 9-12pm Bear Creek Nature Center, 245 Bear Creek Rd All ages, RR

Nikola Tesla in Colorado Springs Local historian Patric Ryan discusses the advanced scientific work of Nikola Tesla, much of which was conducted right here in Colorado Springs in 1899-1900. 11am and 2pm Manitou Springs Heritage Center and Museum, 517 Manitou Avenue Manitou Springs Teens & Adults, RR



Citrus Winery Tour & Tasting (See September 30 for description) Noon, 1pm, 2pm Evergood Adventure Wines, 613 County Line Rd, Unit L, Palmer Lake, CO 80133, Adults, RR

Concrete Coyote Grand Opening. Join us for the opening of our 7-acre community park with science activities for kids, land tours and more! 1-7pm. Concrete Coyote, 1100 South Royer St. All ages.

SUNDAY OCT 8

Nature Journaling on Pikes Peak (See October 1 for description) 10am-12pm Crystal Reservoir Visitors Center (Mile 6), Entrance gate is 5089 Pikes Peak Highway, Cascade Kids & Families, RR

MONDAY OCT 9

The Great American Solar Eclipses in Oct. 2023 & April 2024 (See October 4 for description). 1-3pm Penrose Library, 20 N. Cascade Ave. All ages

Spooky String Art Get into the Halloween spirit using embroidery floss and pins to make a spooky string art decoration. 2:30-4pm High Prairie Library, 7035 Old Meridian Rd. Ages 18+, RR

Woman Air Service Pilots of WWII Local author and historian Sarah Byrn Rickman shares the remarkable stories of the Women Airforce Service Pilots (WASPs) of World War II. 6-7pm East Library, 5550 N. Union Blvd. Adults