



FLAGSTAFF
FESTIVAL
of SCIENCE

25TH
ANNIVERSARY

2014

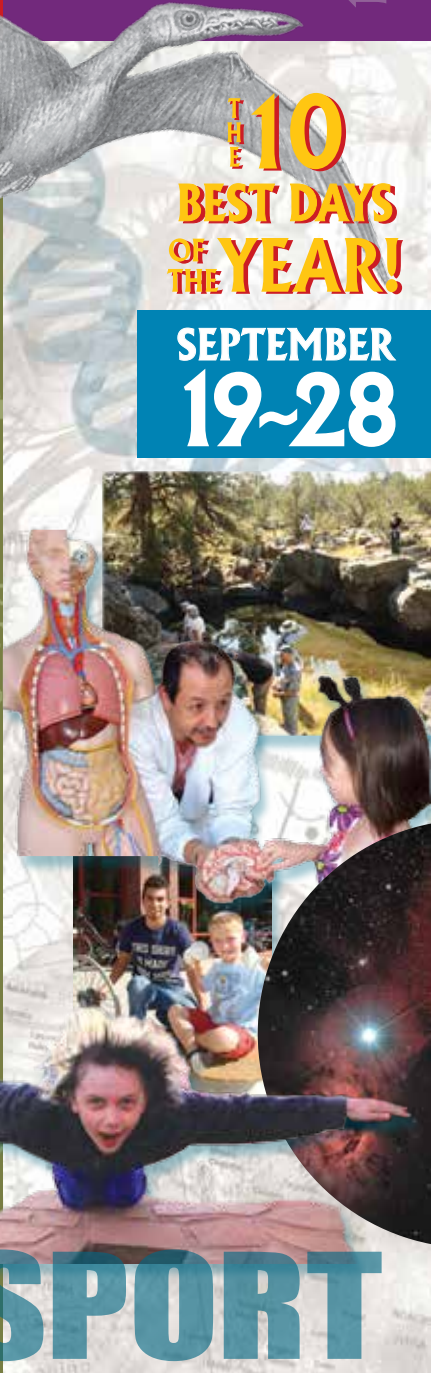
Celebrating
25 Years of
Discovery!

1990-2014

A GRAND ADVENTURE!

THE **10**
BEST DAYS
OF THE **YEAR!**

SEPTEMBER
19~28



PASSPORT

FREE ADMISSION INTO EVERY ACTIVITY



The 10 BEST
DAYS OF
THE YEAR:
SEPTEMBER
19-28

Flagstaff is celebrating 25 years
of discovery and shining the
spotlight on our star power!

Investigate the microscopic world
of powerful germs!

Visit volcanoes on Earth
and in our Solar System!

Try your hand at prehistoric tools!

Hike around a cinder cone!

Explore the Grand Canyon!

Join local scientists on this journey of
the mind and bring your hiking boots,
love of nature and sense of adventure!

Early Childhood Activities



Early Childhood activities offer
preschool-aged children an
added boost of brainpower as
young minds are developing!



After School Talks

4 p.m. & 5 p.m., Monday through Friday
Lowell Observatory Visitor Center
Appropriate for All Ages



Twilight Talks

6:30 p.m., Monday through Friday
Museum of Northern Arizona
Branigar/Chase Discovery Center
For High School Students & Lifelong Learners

The Flagstaff Festival of Science is supported by BBB Revenues
from the City of Flagstaff and Flagstaff Arts Council.
The Festival is a Flagstaff Unified School District-approved activity.



➤ Friday, Sept. 19

Shoemaker Keynote Presentation

A Grand Adventure: Tracking Microscopic Public Enemies

Paul Keim, Ph.D.

7 p.m., NAU Ardrey Auditorium

Like a determined disease detective, this DNA expert chases down some of the world's tiniest and mightiest bad guys: vicious germs including the plague, anthrax and cholera. Hear about Dr. Paul Keim's role in protecting global human health. Find out how the study of genetics is improving our lives!



A Grand Adventure Ballet

7 p.m., Ardrey Auditorium

Preceding the Shoemaker Keynote Presentation

Experience science in motion! Let the performers from the NAU Community Music and Dance Academy move you into the microscopic world of DNA analysis where dangerous germs are tracked and stopped.

Campus Sky Viewing

7:30 – 10 p.m., NAU Campus Observatory

Visit the night sky on a clear evening through the 20-inch Barry Lutz Telescope for Education and Training!

➤ Saturday, Sept. 20

Science in the Park

10 a.m. – 2 p.m., Wheeler Park

From the amazing life of trees to the wild world of animals to the stories rocks tell and the tasks robots perform, you'll be up to your elbows in science discovery while the sun helps power the fun at the park! Explore newly discovered fossils, travel to other planets, perform surgery and hear how music helps us learn! Build a nest, add bling to your binoculars, play in a stream, dig for artifacts, start an avalanche, paint with yucca brushes or make a tree ring necklace! **Gather at the bridge for an 11:30 a.m. guided walk to the Frances Short Park Pond!**

Fantastic Voyage

Noon – 4 p.m., Flagstaff Medical Center

This kid-sized health fair explores how the body works and how to keep it working at its best! Join the team at Flagstaff Medical Center and get your hands on the tools used by doctors and surgeons!



Teen Book Club Discussion: *Corr Syl the Warrior*

1 p.m., Flagstaff City–Coconino County Public Library (main library)
Kids ages 12-18 are invited to share their thoughts on this science fiction novel. The story follows a young warrior into a conflict between humans and the rest of the world's animal species. *Corr Syl the Warrior* presents an original look at the impact of humanity on Earth's environment. A visit from the author, Garry Rogers, raffle prizes, and pizza will be available for participants!

NAU Science & Engineering Day

1 – 4 p.m., High Country Conference Center and Wettaw Biology/Biochemistry Buildings

Adventurers of all ages are invited to explore alternative energy sources, the magic of bubbles, the formation of comets (and make one yourself!), the agility of robots, the chemistry of explosions, unbelievable physics phenomena, creepy crawlies and much more! In addition to participating in hands-on experiments, you will meet NAU faculty and students with stories of exciting adventures from all around the world.

NightVisions Opening Reception

6 – 8 p.m., Coconino Center for the Arts

Enjoy live music, good food and participating artists in the opening reception for NightVisions, an exhibit that celebrates art and science.

Rock Hounds and River Rats: The 1937 Carnegie-Caltech Grand Canyon Expedition

Erik Berg, Historian

7 p.m., Riordan Mansion State Historic Park

In their own words and rarely seen photographs, the sometimes dangerous 1937 Grand Canyon expedition of four geologists and three boatmen is shared. The party overcame many challenges to conduct the first comprehensive study of ancient rock formations along the deep Inner Gorge.

Campus Sky Viewing

7:30 – 10 p.m., NAU Campus Observatory

Visit the night sky on a clear evening through the 20-inch Barry Lutz Telescope for Education and Training!

➤ Sunday, Sept. 21

Millions of Baby Ponderosa Pines

9 – 11 a.m.

Willow Bend Environmental Education Center, 703 E. Sawmill Road

Have you noticed areas of the forest where there are lots of small ponderosa pine seedlings? Nature has provided a unique opportunity to experience a rare regeneration event that last occurred in 1919. Join NAU Professor Tom Kolb, Ph.D., at Willow Bend for a short interpretive hike about this event!



Apollo Training Grounds Off-Road Field Trip

9 a.m. – Noon, Meet at Buffalo Park

Bring your 4x4 and visit the area where Apollo astronauts were trained to dodge craters and sample the geology of the Moon. The trip starts at Buffalo Park with a short visit to the USGS for a movie on how the crater field was formed. Then we'll drive out as a group to the Cinder Lakes Off-Highway Vehicle Area to discuss what it was like to train for going to the Moon and actually working there. **For reservations call 928-556-7002.**

Hart Prairie Preserve Nature Walk

10 a.m., Meet at Fort Valley Plaza Shopping Center, SW Corner

Learn about birds, wildflowers and forest ecology in a 90-minute walk through this lovely alpine meadow. Bring sturdy shoes, sun protection, rain gear or jacket and water. No pets, please!

Identifying Weeds at Willow Bend

10 a.m. – 2 p.m., Willow Bend, 703 E. Sawmill Road

Do you have a mystery plant growing in your yard? Is it taking over? Bring your 'suspect' or pictures of it. The folks from the San Francisco Peaks Weed Management Area will identify invasive weeds and give advice.

Elden Pueblo Public Dig Day

10 a.m. – 4 p.m., Coconino National Forest

Participate in Grand Archaeology! Explore pre-historic life with excavations, artifact analysis, primitive technology and hunting games. **Tours run at 10 a.m., noon and 2 p.m.** Bring water, a hat and your sense of adventure!

Fort Valley Experimental Station Open House

Noon – 3 p.m., Hwy 180, 1 mile north of Snowbowl Road

Come visit the nation's first Forest Service Research Experimental Forest and see what a Grand Adventure it has been! Learn about pioneering forest research, then and now.

Lowell Observatory Open House

5 – 9:30 p.m., Mars Hill

Join Lowell Observatory and the Coconino Astronomical Society for hands-on science experiments that will delight the entire family. Also enjoy stargazing, viewing through a number of telescopes, and live indoor SlipherVision astronomy shows.

25 Years of Science Technology in Archaeology

Peter Pilles, Coconino National Forest

7 p.m., Riordan Mansion State Park

Technology now exists that allows us to identify the type of animal killed by a projectile point, the specific origin of the obsidian from which the point was made, the time period when it was created, and the cultural background of the hunter who made it. This talk will discuss these new techniques and some of the startling advances they have produced.





Campus Sky Viewing

7:30 – 10 p.m., NAU Campus Observatory

Visit the night sky on a clear evening through the 20-inch Barry Lutz Telescope for Education and Training!

➤ Monday, Sept 22

LEGO® Club

3:30 – 5 p.m.

Flagstaff City–Coconino County Public Library (main library)



Kids from kindergarten through 8th grade are invited to participate in LEGO® science building challenges.

Family Science Activities and Hike

4 – 6 p.m.

Willow Bend Environmental Education Center, 703 E. Sawmill Road

See all the way from the Peaks to Oak Creek Canyon from 34,000 feet high on our new watershed and terrain 3-D model. Then plunge down into the Rio de Flag canyon below Willow Bend for a guided family nature hike. The program is most suitable for families with children ages 5-12.

Discovery Channel Telescope: Early Results

Phil Massey, Ph.D., Lowell Observatory

4 p.m., Lowell Observatory



Astronomers from around the world are conducting studies through Lowell Observatory's new 4.3-meter Discovery Channel Telescope. Take a look at the marvels of the universe through this window into the cosmos!

How Old is the Grand Canyon?

Wayne Ranney, Geologist

5 p.m., Lowell Observatory



They've been there for millions of years, but the rocks still have something to tell geologists! Hear the latest geologic stories from the Grand Canyon.

Current Events in the Solar System

Ryan Anderson – USGS

6:30 p.m., Museum of Northern Arizona



It may well be the ultimate Grand Adventure as robotic probes explore planets and moons! See what they've found!

A New Twist on Muscle Contraction

Kiisa Nishikawa, Ph.D., NAU

6:30 p.m., NAU Cline Library

From studying the spring-loaded action of frog tongues as they catch insects, scientists are learning more about how muscles behave during natural, instantaneous movements. Hear how this radical new thinking may improve artificial limbs!

Notes

Dropping the Ball: Where Gravity Went Wrong

6:30 p.m., Sinagua Middle School Min-Auditorium

The popular film *Gravity* captivated audiences but lost its pull in the scientific world during some scenes. See if you can spot the mistakes!

➤ Tuesday, Sept. 23

Mount Elden Bird Walk

9 – 11 a.m., Mount Elden Environmental Study Area

Grab your binoculars and come learn about a variety of birds in the area from the bird lovers of the Northern Arizona Audubon Society! *This walk is limited to 20 people. For reservations call 928-774-4229.*

Toddler Tales

10:15 a.m.

Flagstaff City–Coconino County Public Library (main library)



Your toddler will delight in this special time for stories, songs, games and more—all with a science theme

Preschool Express

11 a.m.

Flagstaff City–Coconino County Public Library (main library)



Surprises galore are in store when we get together for science stories, songs and games!

NightVisions

11 a.m. – 5 p.m., Coconino Center for the Arts

NightVisions is a celebration of the night sky, featuring art by local artists and artists from around the world. With paintings, photography, ceramics, glasswork, textiles and more, NightVisions bridges the gap between astronomy and art.

Fires and Floods: Where Have We Been? Where Are We Going?

Noon – 1 p.m., Flagstaff Aquaplex, Community Room

The Flagstaff Watershed Protection Project is the culmination of two decades of working toward community wildfire resilience. Bring your lunch and learn how this project is designed to reduce the risk of uncharacteristic wildfires and flooding.

Benjamin FranKlown™

4 p.m., Lowell Observatory

Science and history come to life for youngsters as the APS traveling clown troupe explains electricity and safety around the home.

Benjamin FranKlown™

5 p.m., Lowell Observatory

Science and history come to life for youngsters as the APS traveling clown troupe explains electricity and safety around the home.





Worm Composting Workshop

5:30 – 6:30 p.m.

East Flagstaff Community Library, 3000 N. 4th Street, Ste. 5

Let worms convert your food scraps into compost for your plants! And let us show you how as vermicomposting with red worms is an easy, odor-free way to compost indoors.

Frankenstein's Cat

6 p.m., Flagstaff City–Coconino County Public Library (main library)

Remotely controlled rats and florescent cats seem like characters from a science fiction novel but they're not! Today's biotechnology has allowed scientists to alter animals in ways you've never imagined. Join us for a thrilling book discussion on *Frankenstein's Cat: Cuddling Up to Biotech's Brave New Beasts* by Emily Anthes.

Rovers on Mars: A Brief History

Ken Herkenhoff, Ph.D., USGS

6:30 p.m., Museum of Northern Arizona

Let's go to Mars! Explore the activity on the red planet with an overview of NASA's rover missions, including an update on Opportunity and Curiosity.



Science in Antarctica

Mindy Bell and Jillian Worssam, STEM and FUSD

6:30 p.m., Sinagua Middle School Mini-Auditorium

Check in with local teacher/adventurer Jillian Worssam on a research vessel in the middle of the Scotia Sea near Antarctica. Discover what researchers are learning from deep in the ocean that impacts us in northern Arizona and check out their cold weather protective clothing!

Wednesday, Sept. 24

Preschool Express

10:30 a.m.

Flagstaff City–Coconino County Public Library (main library)

Surprises galore are in store when we get together for science stories, songs and games!



Toddler Tales

11 a.m.

Flagstaff City–Coconino County Public Library (main library)

Your toddler will delight in this special time for stories, songs, games and more—all with a science theme!



NightVisions

11 a.m. – 5 p.m., Coconino Center for the Arts

NightVisions is a celebration of the night sky, featuring art by local artists and artists from around the world. With paintings, photography, ceramics, glasswork, textiles and more, NightVisions bridges the gap between astronomy and art.

Busy Fingers

3:30 – 5 p.m.

Flagstaff City–Coconino County Public Library (main library)

Crafts, music and games based on science stories are great for all ages!



Volcanoes of the Solar System: Fire and Ice from Mercury to Pluto!

Moses Milazzo, Ph.D., Geophysicist

4 p.m., Lowell Observatory

Take a tour of the Solar System's volcanic worlds. Find out how different they are from volcanoes on Earth!



The Changing Face of Time

Bryan Bates, Coconino Community College

5 p.m., Lowell Observatory

Learn how science influences our calendar with the changing face of skies, seasons, and plant and animal life.



Science Discoveries in the Kitchen

6:30 – 8:30 p.m., Pinecone Preschool, 2901 N. King Street

Parents and caregivers can learn how young children communicate their own scientific inquiry, investigation, analysis and conclusions in the kitchen!



Following the Water on Mars

Colin Dundas, USGS

6:30 p.m., Museum of Northern Arizona

Scientists have long tried to find water and understand its role on Mars. Hear about the latest discoveries through spacecraft exploration, nearly five decades after the launch of the first successful flyby mission.



Cyber Gardens

Paul Flikkema, Ph.D., NAU

6:30 p.m., NAU Cline Library

Scientists are developing a new facility, the Southwest Experimental Garden Array, that merges ecology and computing to learn how we can help plants adapt to our changing climate. Find out how technology is being used to understand how environments affect ecosystems.

Family Evening Storytime

6:30 p.m.

Flagstaff City–Coconino County Public Library (main library)

Bring the whole family for science stories and songs!

Science Fair SOS

6:30 p.m., Sinagua Middle School Mini-Auditorium

Learn how to make that science project a fun adventure! Parents and students of all ages are welcome!





➤ Thursday, Sept. 25

NightVisions

11 a.m. – 5 p.m., Coconino Center for the Arts

NightVisions is a celebration of the night sky, featuring art by local artists and artists from around the world. With paintings, photography, ceramics, glasswork, textiles and more, NightVisions bridges the gap between astronomy and art.

Monitoring Earth's Active Volcanoes from Space

Greg Vaughan, Ph.D., USGS Astrogeology Science Center

4 p.m., Lowell Observatory 

Volcanoes are hazardous things, but they do give us warnings. We can monitor them from the safe vantage point of orbit using satellites. Can we ever forecast a volcanic eruption using a satellite-based early warning system? We are working on it.

Grand Weather of the Canyon

Brian Klimowski, Ph.D., National Weather Service

5 p.m., Lowell Observatory 

The weather of the Grand Canyon can be every bit as captivating as the Grand Canyon itself! Experience the atmospheric wonders that have inspired artists and contributed to this magnificent landscape!

Grand Canyon Climate Change Through Time

Carl Bowman, USGS 

6:30 p.m., Museum of Northern Arizona

Climate change is nothing new at the Grand Canyon. See how past changes have left their mark in the rock layers, and what some of those ancient stories can tell us about the future.

Conservation Science that Matters in a Changing America

Tom Sisk, Ph.D., NAU

6:30 p.m., NAU Cline Library 

How do we identify where science can make a difference in policy and decision making? Sometimes research just seems so academic! Find out how science can meet some of our region's most pressing environmental challenges.

Wild Life of Wildlife Under Flagstaff's Dark Skies

Tad Theimer, NAU

6:30 p.m., Coconino Center for the Arts

Many dramas play out under the dark skies of a Flagstaff night. Foxes, skunks, raccoons, coyotes and a host of other animals wander our yards and streets. Often their behavior is directly influenced by the way we build our homes, landscape our yards and feed our pets. Learn more about Flagstaff's wild nightlife!

Scanning the Skies

6:30 p.m., Sinagua Middle School Mini-Auditorium

Experience this film about the Discovery Channel Telescope. See what astronomers see with one of the world's sharpest views into the universe. Afterward view the night sky through a smaller telescope.

➤ Friday, Sept. 26

NightVisions

11 a.m. – 5 p.m., Coconino Center for the Arts

NightVisions is a celebration of the night sky, featuring art by local artists and artists from around the world. With paintings, photography, ceramics, glasswork, textiles and more, NightVisions bridges the gap between astronomy and art.

Science of Sound

1 – 2 p.m., Flagstaff Family Food Center, 1903 N. 2nd St. 

Explore the science of sound with representatives from Flagstaff STEM and Orchestra Northern Arizona. Learn about sound using musical instruments and make some happy sounds!

Recycling Center Tour with Willow Bend Environmental Education Center

3 – 4 p.m., Materials Recovery Facility on Butler Ave. and Babbitt Dr.

What happens when you throw something in the green recycling receptacle? Where does it go? Find out on a behind-the-scenes tour of Flagstaff's materials recovery facility with Willow Bend Environmental Education Center! **For reservations call 928-779-1745.**

Factology Friday

3:30 – 5 p.m. 

Flagstaff City–Coconino County Public Library (main library)

Learn fun, exciting science facts, make something or try an experiment!

Native Bees

Kristen Potter, NAU 

4 p.m., Lowell Observatory

Some 4,000 kinds of native bees have been busy pollinating our continent's flowering plants long before the arrival of honeybees. Learn about these important insects and how we can help them!

Adventures on the HI-SEAS: A Simulated Mars Mission in Hawaii

Oleg Abramov, Ph.D., USGS Astrogeology Science Center 

5 p.m., Lowell Observatory

Scientists are testing space equipment in Hawaii! Find out what's happening on the upper slopes of Mauna Loa with NASA's Hawaii Space Exploration Analog and Simulation (HI-SEAS) project.





CCC's Science Celebration

6 – 8 p.m., Lone Tree Campus

View microscopic life, follow the clues in forensic research or be amazed by chemistry magic!

Growing Human Skin

Robert Kellar, Ph.D., NACET

6:30 p.m., Museum of Northern Arizona

Scientists are putting plants to work, growing the protein for human skin! Find out what this means for the future of healing burns and other wounds.



Taking Earth's Temperature

6:30 p.m., NAU Cline Library

Journey to the Arctic where scientists, including NAU's Darrell Kaufman, are dipping deep into Arctic lakes and bringing up sediment cores that reveal past climate changes. Enjoy the just-released film, *Taking Earth's Temperature: Delving into Climate's Past*, and join in the discussion.

Campus Sky Viewing

7:30 – 10 p.m., NAU Campus Observatory

Visit the night sky on a clear evening through the 20-inch Barry Lutz Telescope for Education and Training!

➤ Saturday, Sept. 27

Mount Elden Bird Walk

8 – 10 a.m., Mount Elden Environmental Study Area

Grab your binoculars and come learn about a variety of birds in the area from the bird lovers of the Northern Arizona Audubon Society! *This walk is limited to 20 people. For reservations call 928-774-4229.*

Walk in Picture Canyon

9 a.m.

Meet at trailhead at the end of Flag El Paso Road, off East Route 66

See petroglyphs, wildlife and Flagstaff's only waterfall at a restored stretch of the Rio de Flag with Friends of the Rio. Prepare for a 3-mile walk.

SP Crater Guided Hike

9:30 – 11:30 a.m., Meet at Antelope Hills

Explore the volcanic field at SP Crater and wild lands of Babbitt Ranches on this gentle, one-mile guided hike over uneven terrain. Learn about geology, wildlife, plants and pioneer history. Hear how the Landsward Discovery Council is working to protect plants and animals of the open range including the rare Fickeisen plains cactus, the golden eagle, pronghorn antelope and black-footed ferret—the most endangered mammal in North America!

For reservations and directions call 928-607-9121.

Notes

NAU Engineering Open House

10 a.m. – Noon, NAU College of Engineering, Room 105

Visitors will see what makes flight possible. A wind tunnel demonstration will show how air pressure is acting on an airplane wing model, how this pressure changes with the angle of attack of the wing, and how the air pressure distribution affects the force that lifts the airplane in the air.

Living and Learning Prescribed Fire

10 – Noon, Coconino National Forest

Forest managers and fire specialists with the Arizona Prescribed Fire Council use fire as a necessary tool for a healthy resilient forest. Find out how they burn effectively and, if conditions allow, see a prescribed fire! Bring hiking boots and water. *For reservations and directions, email TREXInformation@gmail.com or call 602-730-1706 by Wednesday, September 24th.*

The Arboretum at Flagstaff Fall Open House

10 a.m. – 1 p.m., 4 miles south on Woody Mountain Road

Join in tours, scavenger hunts, science demonstrations and crafts in Flagstaff's most famous high-elevation garden!

Sustainable Building Tour

10 a.m. – 2 p.m., Willow Bend, 703 E. Sawmill Road

This self-guided tour showcases homes and buildings featuring different approaches to sustainable building including: strawbale, adobe, Insulated Concrete Forms (ICF), and regional materials. Explore rainwater harvesting, greywater systems, solar PV, solar hot-water heating and passive solar design. Start at Willow Bend where you'll receive a packet and begin your adventure!

Saturday Story Stop

10:30 a.m.

Flagstaff City–Coconino County Public Library (main library)



Get to know all sorts of different faces as the library staff and community members present a fun-filled morning of science storytime!

Walnut Canyon Atlatl Throw

11 a.m. – 2 p.m., Walnut Canyon National Monument

Observe prehistoric dart throwing! See how accurate you are with the atlatl, an early form of the bow and arrow. From a simple tree branch to a worldwide hunting weapon, this simple invention helped prehistoric people survive in a hostile environment.

National Weather Service Open House

11 a.m. – 5 p.m.

Camp Navajo Army Depot in Bellemont, I-40 west to Exit 185

On the lookout for hail, thunderstorms, lightning, blizzards and even tornadoes, National Weather Service meteorologists will show you the tools they use to keep us prepared! *Don't miss the weather balloon launch at 1 and 4 p.m.!*





NightVisions

11 a.m. – 5 p.m., Coconino Center for the Arts

NightVisions is a celebration of the night sky, featuring art by local artists and artists from around the world. With paintings, photography, ceramics, glasswork, textiles and more, NightVisions bridges the gap between astronomy and art.

The Archaeology of a Disaster

1 – 2 p.m., Sunset Crater Volcano National Monument

Join an archaeologist at the Sunset Crater Volcano National Monument Lava Flow Trail for a discussion on the prehistoric experience of the eruption of Sunset Crater Volcano. Hear how humans adapted to this major environmental change.

US Naval Observatory Open House and Star Party

7 – 10 p.m., I-40, 5 miles west of Flagstaff to Exit 191

Experience the Navy's view into the cosmos! Join in tours and peer through telescopes!

Campus Sky Viewing

7:30 – 10 p.m., NAU Campus Observatory

Visit the night sky on a clear evening through the 20-inch Barry Lutz Telescope for Education and Training!

➤ Sunday, Sept. 28

Meteor Crater Open House

8 a.m. – 5 p.m., I-40, 43 miles east of Flagstaff to Exit 233

Check out the world's best preserved impact crater! Try out interactive displays or take a ½-mile guided rim tour on a paved trail. A 2½ -mile guided rim tour requires reservations and participants must be at least 8 years old.

For rim tour reservations call 928-289-5898.

Forests, Fires and Watersheds Field Trip

9 a.m. – Noon, Meet at the "Y" intersection at Schultz Pass Road and Mt. Elden Lookout Road

Join the Flagstaff Watershed Protection Project for a tour into the Dry Lake Hills. Learn about threats our forests face and how we can protect the environment and community. Plan to be outside for 3 hours for this easy 2-mile trail hike. Bring water and wear hiking shoes. *For reservations call 928-213-2500.*

Notes

Homolovi State Park Homolovi Pueblo IV Guided Tour

10 a.m., Homolovi State Park Visitor Center

I-40, 63 miles east of Flagstaff to Exit 257

Seldom open to the public, this tour of a centuries-old pueblo is a rare opportunity indeed. The journey requires a 12-mile drive in your own vehicle (the last ¼ mile is a dirt road). Expect an easy ½-mile hike over uneven ground. *This tour is limited to 20 people. For reservations call 928-289-4106.*

Scenic Science Chairlift

10 a.m., Arizona Snowbowl

Soar above the forest on the Agassiz chairlift to the Alpine Tundra at 11,500 feet. A Park Ranger will meet you at the top to share the volcanic history, geography and ecology of the area. *Call for one of 50 free seats available (maximum of 2 people per reservation, please!) 928-779-1951, ext. 115.*

USGS Flagstaff Science Campus Open House

Noon – 4 p.m., 2255 N. Gemini Drive

Enjoy presentations, interactive displays, and exhibits highlighting the wide range of world-class scientific research conducted in geology, biology, ecology, climate science, volcanology, hydrology, remote sensing, cartography and planetary science!

Science Poetry Slam (for Kids!)

3:30 – 5 p.m.

East Flagstaff Community Library, 3000 N. 4th Street, Ste. 5

Transfer your science thoughts and imagination into poetry. Then share with the group! This activity is geared toward fifth through seventh graders.

A Grand Twilight Walk

6 – 7:30 p.m., Buffalo Park Parking Lot

Meet up with the folks from the Dark Skies Coalition for a new awareness and appreciation for Flagstaff's famous dark skies!

Accidental Genius

Richard Gaughan

7 p.m., Riordan Mansion State Park

Science discovery can happen with a sudden realization—a flash of insight—that reveals a new understanding of the universe. Sometimes luck is mixed in with hard work. Explore some of the most exciting such moments in history.

Campus Sky Viewing

7:30 – 10 p.m., NAU Campus Observatory

Visit the night sky on a clear evening through the 20-inch Barry Lutz Telescope for Education and Training!





The 2014 Flagstaff Festival of Science is made possible through the generous support of our sponsors:

Supernova Friends



Kenneth and Mary Ellen Mylrea



Galactic Friends



Charlot M. Root



Molly and Joseph Herman Foundation



Stellar Friends



McClanahan Family Fund



William Lowell Putnam

Planetary Friends

- Arizona Snowbowl ⇨ Coconino Community College
- EnviroSystems Management ⇨ Flagstaff Unified School District
- Joy Cone Co. ⇨ 92.9 KAFF/ 93.9 The Mountain/Hits 106
- 103.7 Eagle Rocks ⇨ KOLT/Rewind/The Wolf/The Big Talker Radio
- Sunny 100 and The Q 102.9 ⇨ NAU Space Grant ⇨ Nestlé Purina PetCare Co.
- Pepsi Cola Bottling Co. of Flagstaff ⇨ Rocky Mountain Research Station

Cometary Friends

- Bryan and Barbara Bates ⇨ Byron and Jennifer Hayes
- Charles and Dolores Biggerstaff ⇨ Clear Aire Audio
- Jim and Linda Snook ⇨ The Kahl Family
- Paul and Deborah Holbrook ⇨ Russell and Tanya Tweed
- Steven and Kathryn Smith
- W. Leibfried Environmental Services



www.scifest.org

Printed on recycled paper.