

7. BERGER HALL

Challenger Learning Center Planetarium Shows

Shows every 30 minutes.

Enjoy an inflatable planetarium where you can experience the night sky and learn about the celestial bodies in our solar system! **A**

Coronado High School FIRST Robotics Team

Big Robots! **A**

Mountain States Droid Builders

R2D2, BB-8, Mouse Droids! **A**

Science Matters in America

Forces of Flight in the Wind Tunnel **A**

Lockheed Martin

Rocket Sleds & Virtual Reality **A**



8. CENTENNIAL HALL

188

Mark McGough: Symmetries in Nature and Quantum Computing

11am-Noon, 1-2pm

Learn how math and nature collide in this fun and interactive show. **O**



188

Dan Sullivan: Crime Scene Reconstruction

3-3:45pm

Listen to stories about real cases as examples and learn how different types of scientists use technology to evaluate evidence and determine what really happened at the crime scene **O**

203

Black's Magic Productions! Magic Mission to Mars

10-10:45am 1-1:45pm

Master Magician Bruce Black blends comedy, magic and science principles to take students on an amazing magical journey to the Planet Mars. **A**

Jim Paradise: The Latest in Space Exploration

2-2:45pm

NASA Space Ambassador Jim Paradise will explain what's new and notable in space exploration. **O**

Cool Science: Chemistry Magic Show

11-11:45am, 3-3:45pm

Always a fan favorite, experience the wonders of chemistry in our signature magic show. **A**



9. FARM HOUSE

UCCS SWELL Initiative: True Food for True Sport-Build Your Own Active Plate!

Visit the UCCS Farm House for a SWELL time fueling your body just like an Olympic athlete!

*Farm and greenhouse tours & fun activities throughout the day: **A***

10am-12pm

Cultural food integration with Swiss muesli and Japanese miso soup and the TrueFood Athletes Plate Make your own recovery smoothies while pedaling blender bikes!

12pm-2pm

Make your own mini grain bowls, with local and ethical ingredients.

2pm-4pm

Learn about milling and flaking grains and make your own energy bites.

[Note: our farm is home to a hive of very peaceful bees, but if anyone has any allergies please be sure to have your EpiPen.]

Take the free shuttle or use nearby parking.

14 Cragmor Village Rd, Colo Spgs 80918

DON'T MISS IT ...

Colorado Springs Mini Maker Faire®

Saturday, October 20

10:00am – 4:00pm

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 learning.

Pikes Peak Library District - Library 21c

1175 Chapel Hills Dr. Colorado Springs

THANK YOU

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

M FOUNDATION
MIKKELSON



NORTHROP GRUMMAN



Schuster Family Foundation

Brunl Foundation

Support this Carnival and All Cool Science Programs with Your Donation...

www.coloradogives.org/coolscience

COLORADOGIVES.ORG®

THERE'S LOTS MORE!

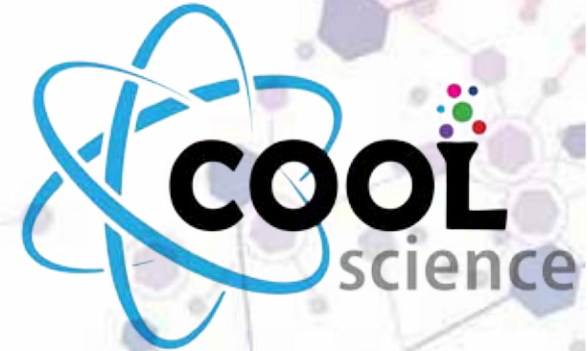


A regional 9-day festival with 50+ very cool STEAM events.

OCT. 13-21

Visit www.coolscience.org for full schedule and details.

A Free Day of Science Fun!



Carnival Day!

Saturday Oct. 13, 2018

10:00 am - 4:00 pm

UCCS

University of Colorado Colorado Springs

1420 Austin Bluffs Parkway Colorado Springs CO

www.coolscience.org

Visit our mobile-friendly Carnival Day website for details on exhibits, show descriptions and schedules.

www.coolscience.org/carnivalday.html

UCCS Public WIFI Available: "UCCS-Guest"



1. WEST LAWN

American Medical Response

Ambulance Tours & CPR **A**

Civil Air Patrol - Colorado Springs Cadet Squadron

Paper Rocket Blast-Off! **A**

Southeastern Colorado Renewable Energy Society

Solar Energy & S'mores **A**

US Army

Check out a Humvee and EOD Drone **A**

CaveSim

Crawl through a Simulated Cave with Computer Scoring **A**

Colorado Springs Fire Dept.

Explore a fire truck with the HAZMAT Team **A**

2. EL POMAR PLAZA

Colorado Springs Astronomical Society

Solar Observing with BIG telescopes. **A**

Sean Bogren: Colorado Springs Racing Drones Show

Shows every 30 minutes
Check out the state of the art in competitive racing drone aircraft. See them zoom across the sky and watch the live video from on-board cameras. **A**

3. OSBORNE CENTER

LOBBY

Pikes Peak Library District
Shake, Rattle & Roll Earthquake **A**

Inventa Academy
STEM in Action **O**

Pikes Peak Regional Science Fair
Science Fair Stars **O**

Alignment For Life Mobile Chiropractic & Rehab

Human Anatomy & Central Nervous System **O**

Look What the Cat Brought In

Fantastic Feline ABC's - Anatomy, Behavior, and Characteristics **A**

Pikes Peak Library District

Invention Corner with Little Bits & Makey Makey **O**

UCCS BioFrontiers Center Biofrontiers Lab Tour

One Tour Only - 11am.

UCCS Physics and Biofrontiers professors will demonstrate cutting edge biotechnology research (*Meet at Biofrontiers Activity Station inside Osborne main entrance near pendulum*). **O**

UCCS BioFrontiers Center

Cells & Giant Insects in Electron Microscope **A**

UCCS Physics & Energy Science

The Giant Foucault Pendulum **O**

OUTSIDE

HyperFalcos
The Hyperloop "Puppy" Pod **A**

Bestway Mechanical
Solar Energy & Heating **A**

National Space Science & Technology Institute

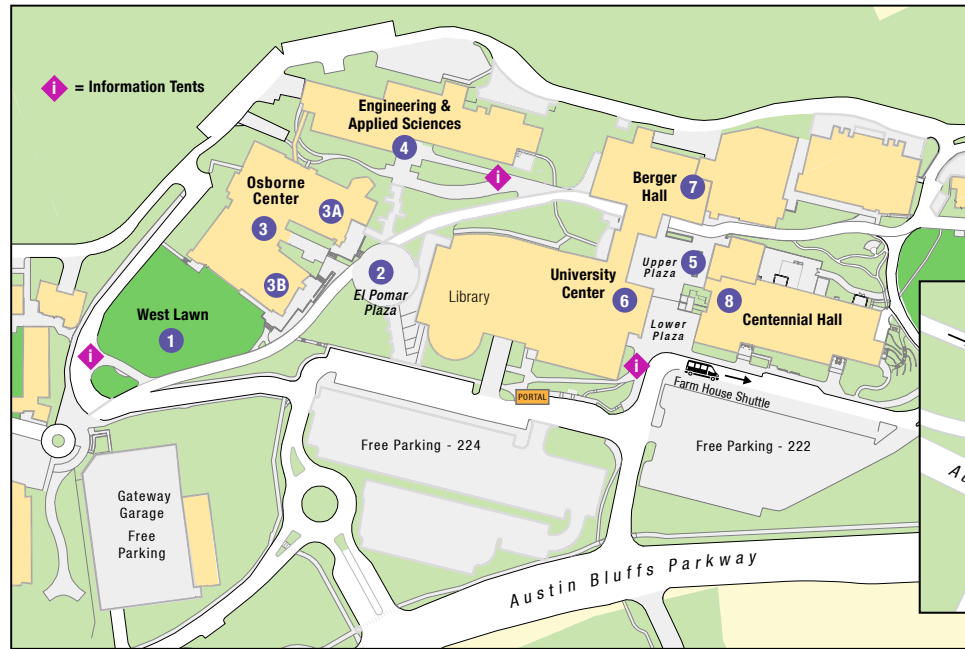
Learning from Light & Augmented Reality Sandbox **A**

3A. OSBORNE CENTER

UCCS Mechanical and Aerospace Engineering
Engineering & Prototyping Lab Tours

11am, Noon, 1pm

Check out our robots, penny catapults and 3-D printers, then tour the rest of the tools and machines in the engineering and prototyping shop. **O**



NOTE:
All Carnival Day Activities should be fun for most kids, but for a little guidance:
A Generally suitable for all ages.
Y A little better for younger kids.
O A little better for older kids.

Cool Science

Experiment with Dry Ice and Foggy Bubbles **A**

UCCS / CSTEME

Fun with Polymers! **A**

Colorado Springs Rocket Society (COSROCS)

Build a Flying Model Rocket **O**

A216

UCCS Mechanical and Aerospace Engineering
Computer Aided Design & Modeling

Times posted on door.

Watch a short demonstration of how computer software is used to create simulation models, then stay longer if you like to learn more and make your own model. **O**

A301

Mountain Lion Motorsports
Formula Electric Race Car
Shows throughout the day.

UCCS's FSAEE team will demonstrate some of the basic functionality of their prototype race car, talk about creating an electric race car, and discuss the future of electric cars. **O**

3B. OSBORNE CENTER

UCCS Phi Kappa Phi / AIAA
Vex Robots & Aerospace Activities **O**

B305

UCCS Simulation Center

Practice nursing skills on a robotic manikin and "drive" a remote telepresence robot **A**

B310

Cheyenne Mountain Zoo
Meet our friendly Zoo Animals
11am-3pm only A

B301

Bristol Brewing
Everbody's favorite:
"Elephant's Toothpaste!" **A**

B314

UCCS Biology Department
DNA Extraction Lab

At the top of every hour
11am-4pm (60 mins)

Extract real DNA from strawberries and learn about the genetic building blocks that make up all life. **O**

4. ENGINEERING

Club Chess!!

Chess as you have never seen it before - complete with music, a suit of armor and the *2016/17 Colorado State Scholastic Chess Team Champions* dressed in medieval costumes! Lots to see and do between shows as well. **A**

"Discover Chess - Game of Kings"
10:30am, Noon, 1:30pm, 3pm

"Learn Chess in 10 Minutes"
10:55am, 11:40am, 12:25pm, 1:10pm, 1:35pm, 2:40pm, 3:25pm

"Medieval Celebrity Chess Match"
11:15am, 12:45pm, 2:15pm, 3:45pm

Royal Crest Dairy & Cool Science

Milk, Juice & make your own Liquid Nitrogen Ice Cream! **A**

OUTSIDE

Rocky Mountain Field Institute
Trail Building and Maintenance Tools and Techniques **O**

5. UNIVERSITY CENTER - UPPER PLAZA

Aerospace Employees Radio Organization
Get on the Air with Ham Radio **O**

Chico Basin Ranch
Nature Table & Leather Stamping **A**

UCCS Chemistry and Biochemistry Club
Rainbow Tower & Liquid Nitrogen **A**

Automotive Institute of Science and Technology
Power of Senses:
Fluid Identification **O**

Lori Bogren: The Explosion Show!
10:30-11am, 12:30-1pm

She's back to demonstrate the explosive power of chemistry! Watch balloons go boom, blowtorches in beakers, and flaming gummy bears. **A**

The Ketones: Science Songs with a Folk Twist
11:30am-12:30pm, 2-3pm

Popular and folk songs for all ages, with a twist - *science lyrics!* **A**

5. UNIVERSITY CENTER - LOWER PLAZA

Rocky Mountain Robotics, FIRST Team 662
All Things Robotics **A**

UCCS Business

A Global PORTAL Experience **A**
(See map) **PORTAL**

6. UNIVERSITY CENTER

FIRST FLOOR

Colorado Parks & Wildlife
Colorado Wildlife & Fishes **A**

Children's Hospital Colorado - Colorado Springs
Hydration Station "Chia" Pets **A**

116

Xipnos Engineering
K'NEX Bridge Lab
Civil Engineering **O**

122

Pikes Peak Mycological Society
Fungi are Fun... and Important! **A**

126

USAFA Dept. of Mathematical Sciences
"Hands-on" Mathematics **O**

116

Laboratory for Atmospheric and Space Physics
NASA GOLD Mission Spectroscopy **O**

122

Pikes Peak Beekeepers Association
Beekeeping in the Pikes Peak Region **A**

124

Pikes Peak Children's Museum
Halloween Sensory Fun **Y**

FOOD & DRINK AT UNIVERSITY CENTER

Sanatorium Grounds Coffee Shop - 2nd Flr 7:30am - 1pm

Café 65 Food Court - 2nd Flr 11am - 1pm

Clyde's Gastropub - 1st Flr 1pm - 9pm

124

Cool Science
Curious Kids Lab **Y**

SECOND FLOOR

Pikes Peak Pebble Pups
Rocks, Minerals & Fossils **O**

Sangre de Cristo Arts Center
Imagination Playground **Y**

Simply Kids Dental
Protect Your Teeth **Y**

Etio Chiropractic
Measure the Nerves Along Your Spine **O**

Cave of the Winds
Geology Lab: "Intro to Caves" **O**

USAFA STEM Club

The Measurement Olympics! **Y**

THIRD FLOOR

Martin Marietta
Constructing Construction Materials **O**

School Crossing & Toy Station
STEAM Toy Station **A**

Freedom Chiropractic
Thermography Scanning of Your Spine **O**

303

Keysight Technologies
Signals in the Sky **O**

302

Physics is Phun: Electricity, Magnetism, Machines, Heat and Liquid Nitrogen Dippin' Dots!

Every hour all day long.

Watch a physics tour de force show featuring electricity, simple machines, a gravity-defying bicycle wheel, magnets and more. They'll even have liquid nitrogen and make Dippin' Dots! **A**