

Science Out-of-School Programs



Science Out-of-School provides science enrichment programs throughout Larimer County for students in Grades 3 to 5. Our hands-on activities are child tested and align with current Colorado State Education Standards.

Rocks, Rock!

The rock cycle is examined in this hands-on program. Travel through millions of years and discover that everything old is new again.



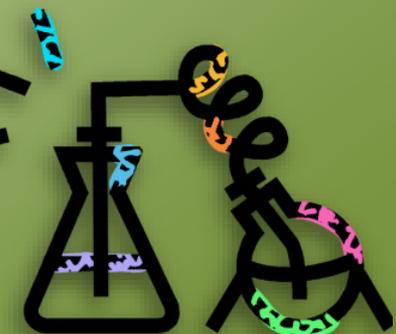
It's Rocket Science

Blast off with the basics of rocketry. Create and test out a variety of designs and propulsion systems through a series of fun and challenging experiments.



Volcano Scientists

How do scientists study these amazing geological phenomena? Learn the secrets of volcanic formations, and construct a model that maps out lava flow over a series of simulated eruptions.



Ooey, Gooley Things

Explore the world of chemical engineering and interactions! Hands-on experiences include "Bubble-ology" and creating some playful polymers.



Colorado State University
Extension 

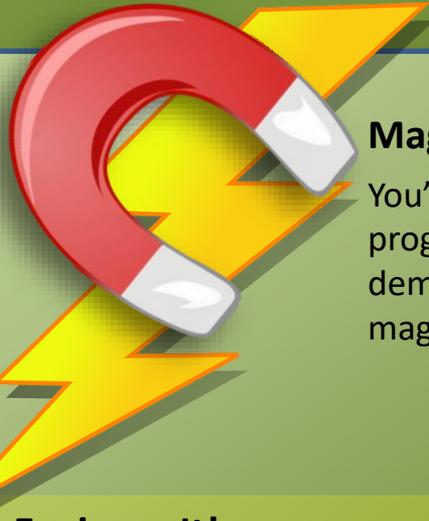
4-H is a **community** of **young people** across America who are learning **leadership, citizenship** and **life skills.**

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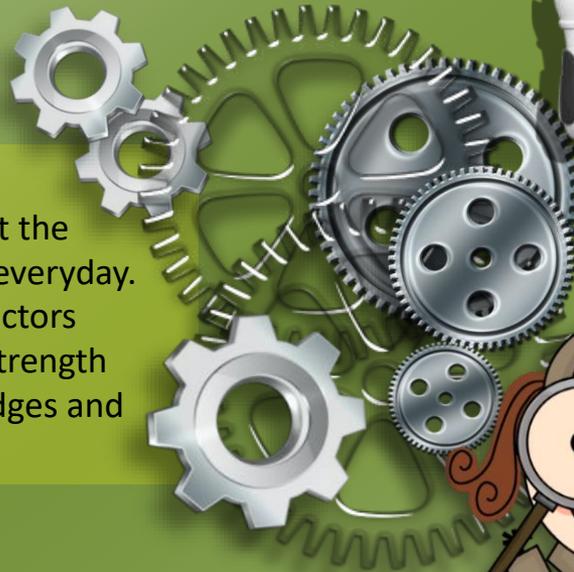
Magnets & Electricity

You'll get a charge out of this interactive program! Hands-on experiments demonstrate the principles of electricity and magnets, including how they're related.



Engineer It!

Engineers design, build and test the structures and devices we use everyday. Participants check important factors including stability, stress, and strength while constructing working bridges and ramps.



Robotics

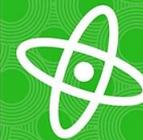
Separate science fact from science fiction as we explore the world of robots. Take command with an introduction to coding basics. Then, design and build your own robot.

Detective Science

The game is afoot, and you can solve the case using science. Collect evidence including finger prints, as well as tooth and foot impressions. Then, head to the lab where you'll run tests to identify a mysterious substance.

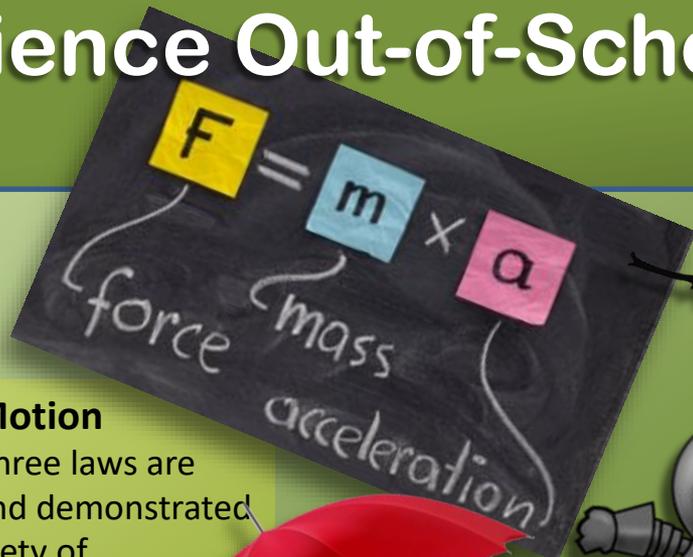


LARIMER
COUNTY 4-H



Science Out of School

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Laws of Motion

Newton's three laws are explored and demonstrated using a variety of household items. Get moving!



Bug Quest

Did you know that insects make up 80% of all the living creatures on the planet? From the jungles to the Antarctic, insects can be found just about everywhere you go. Learn more about these fascinating creatures as we enter the world of bugs.

Weather Report

Cloudy with a chance of knowledge. How do meteorologists predict the weather? Explore the highs and lows of pressure systems and discover how clouds are formed in this interactive program.



Living in Space

Prepare for blast off as we look at what it takes to travel and live in outer space. Why do astronauts need a spacesuit? What happens to humans in a low gravity environment? How and what do astronauts eat and drink?

Sounds of Science Explore how sound is produced, travels, and is altered by changes in frequency and vibrations. Participants will explore sound through a variety of hands-on activities as they discover the secret sounds hidden in everyday objects such as drinking straws and balloons.