

AFTER-SCHOOL SCIENCE PROGRAM



Grain Valley Parks and Recreation is excited to announce we are hosting a Mad Science After-School Program this winter! Kids will be participating in a wide range of safe and engaging hands-on activities led by an instructor with a flair for science.

AGES

Grades K - 6

WHEN:

Thursdays

4:30p - 6:30p

Dec. 7, 14, 21, & 28, 2023

WHERE

Grain Valley
Community Center

FEES

\$125.00

Per Participant



Registration deadline
November 27, 2023

GRAIN VALLEY
MISSOURI

PARKS AND RECREATION

COVERING CONTENT LISTED BELOW

Chem in a Flash	Take a trip through Chemical Reactions and learn how to control them. Experiment with oxidation, crystallization, quick-acting reactions such as precipitation and acid-base reactions, test limiting reagents, and a color-changing electrolysis demonstration.
Dry Ice Capades	Probe the shifting states of matter; observe melted and resolidified metal, use Dry Ice to explore properties of matter at extreme temperatures; test volumetric differences between solids and gases.
Glow Show	How do we perceive colors? Find out using a tri-color experiment. Illuminate fluorescence and phosphorescence in common objects, including in money for security.
Junior Reactors	Demonstration of physical and chemical reactions followed by hands-on experiments to understand the size of atoms, a creative molecular session, explore how atoms join together and how molecules react
Lab Works	Students learn to manipulate an assortment of lab equipment through hands-on activities. They will learn to proper lab techniques including liquids transfer and how to swirl with an Erlenmeyer flask.
pH Phactor	Students explore the crazy chemistry of acids and bases and pH Phactors hydrogen and hydroxide. Apply the Phantastic pH test to common household chemicals. Bring a mystery liquid to a perfect pH balance. The Phestival ends with a Stopper-Popper reaction!
Slime Time	Students will learn about slime and its basic ingredients in a series of hands-on activities. Use polymer paper clips and cross-linking magnetic marbles to examine the properties of slime. Stir up multiple concoctions and test them in the Slime Olympics.
Super Sticky Stuff	Examine the workings of Velcro hook-and-loop fasteners, tape adhesives, wet glues. Rank strengths, determine the optimal glue for a material, test concepts of suction, hydrogen bonding, and static cling.

A SCIENCE-THEMED TAKE-HOME TOY IS PROVIDED AFTER EACH LESSON
TO EXTEND THE LEARNING EXPERIENCE!