



## Additional "Funshops" Topics Available

This list is broken down into Mad Science "Systems". Each system follows a certain theme, with each class building upon the previous class. When picking a workshop(s), you can choose a system or, of course, pick and choose any class topic you desire. Also, all Mad Science instructors are trained on how to adapt any class subject to children age 3 to 12 years old.

### NASA: Future Space Explorers

**Planets and Moons:** Set off on a voyage to discover the solar system! Take home a Kepler's cube solar system puzzle.\*

**Atmosphere and Beyond:** Explore the atmospheres of other planets and discover the properties of air! Take home a Shimmering Stars box.\*

**Space Phenomena:** Explore the phenomenal events that take place in the night sky! Take home a Catch-a-Comet.\*

**Sun and Stars:** Investigate the sun and distant stars and the galaxies they form. Take home a Bead Dipper.\*

**Rocket Science:** Build your very own model rocket while exploring the science of rocketry!\* (requires 2+ sessions)

**Space Travel:** Investigate rocket propulsion by racing balloon rockets. Take home your own Shuttle Copter.\*

**Space Technology:** Use space-related technologies here on Earth! Take home your own Lightning Launcher.\*

**Living in Space:** Set out on a mission to investigate life in space! Take home a Cosmic Chronometer.\*

### Molecule Mania

**Harnessing Heat:** Observe the power of heat and how it is used for making cotton candy! Take home a heat sensitive toy.

**Lights, Color, Action:** Uncover the secrets to ordinary light! Take home a Technicolor Blender.\*

**Magic Magnets:** Discover the science behind magnet magic and magnetism mysteries! Take home a Magnet Lab.\*

**Optical Illusions:** Fool your eyes with our fabulous optical illusions! Make and take a periscope.\*

**Sonic Sounds:** Participate in sound experiments and demonstrations showing the properties and transmission of sound waves. Take home your own Sonic Horn.\*

**Mission Nutrition:** Learn about nutrition and fitness while focusing on a healthy diet and lifestyle. Take home a Mad Science Step-O-Meter.\*

**Tantalizing Taste:** Experiment with model tongues and scented samples to discover the link between taste and smell. Take home a Scratch 'n Match kit.

**Watt's Up:** Make your hair rise and feathers fly with static electricity. Take home a Static Stick.

\*Take homes marked with an \* have an additional fee.



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### Science in Action

**Energy Burst:** Explore the energy of motion! Make and take home a "Rattlesnake Egg".

**Great Gravity:** Learn about the force of gravity, the center of gravity, and even defy gravity. Take home a Gravity Game.\*

**Life in the Sea:** Examine and investigate sea creatures and learn about buoyancy and adaptation. Take home a Rescue Diver.\*

**Moving Motion:** Perform experiments to learn more about friction and inertia, and how they affect the way things move. Make and take home an Inertia Kit.

**Science of Art:** Get your left and right brains working together and discover the links between science and art. Take home a Cartoon Creator.

**All About Animals:** Explore the animal kingdom and learn about the habitats, anatomy and life cycles of your favorite creatures. Take home Animal Tracks.\*

**Radical Robots:** Explore how robots can be used to make our lives easier. Make and take home your own robot hand.\*

### Crazy Chemworks

**Lab Works:** Learn to manipulate laboratory equipment and take home your own Graduated Gear!\*

**Junior Reactors:** Learn to recognize chemical reactions and mix up a few reactive ingredients for some sensational results! Take home a set of Atomic Coins.

**pH Phactor:** Discover whether liquids found in your home are acids or bases using your personal pH Paper! Take home your own Reaction Tube Kit.\*

**Slime Time:** Create slime and then enter the Slime Olympics! Take home your own concoction of Mad Science Slime!

**Chem in a Flash:** Perform instantaneous experiments in this fast-paced class on split-second reactions that go like mad! Take home an Action Flask kit.\*

**The Glow Show:** Probe the properties of light and explore some applications of glow-in-the-dark technology! Take home a Blacklight Writer . \*

**Super Sticky Stuff:** Stick it to the walls, and push the power of tape to the limits in this adhesive hour on things that cling! Take home Professor Beakerdude! \*

**Dry Ice Capades:** Manipulate matter in all of its three states! Melt metal in boiling water and freeze water with just a breath of dry ice! Take home a Thermocolor Cup.

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### Additional Workshop Topics

**Bugs:** Don't be squeamish! Bugs are great to have around! Take home a bug viewer and ladybugs.

**Dinosaurs:** Participate in a mini dino dig and measure a triceratops and see if it would fit in your room! Take home a cast of a dinosaur tooth.

**Electrifying Science:** Discover the difference between static and current electricity. Build an electric circuit and test for conductors and resistors. Take home a Circuit Maze!\*

**Mad About Matter:** Investigate the properties of liquids and solids. Experiment with buoyancy and absorption. Make and take home a Sparkle Tube.

**Mad Materials:** Use your senses to investigate different materials. Transform two regular liquids into an oozing batch of your very own slime!

**Matter of Fact:** Build some tasty marshmallow molecules & electroplate a nickel. Make your own silly putty!

**Spectacular Structures:** Discover the strengths of triangles, cylinders and arches. Take home a Bridge Basics kit!\*

**Body Basics:** Check out the major systems of the human body and their basic functions! Take home an Organ Outfit.\*

**Moving Machines:** Team up to work together with pulleys, levers, and inclined planes. Take home a crazy catapult.\*

### Preschool Class Topics

#### PK 1: Amazing Earth

Dinosaurs  
Magnetic Magic  
Water Works  
Bugs  
Oceans  
Weather Wonders

#### PK 2: It's Alive

Keep in Touch  
Human Body  
Eye to Eye  
Taste and Smell  
Listen Closely  
Animal Friends

#### PK 3: Creative Creations

Mad Mixtures  
Lights On  
Science of Music  
Space Frontiers  
Color Lab  
Playing with Polymers