



WORKSHOPS

**Take Your Students on a Field Trip
Without Ever Leaving the Classroom!**

Mad Science offers curriculum-correlated, hands-on preschool and elementary-level workshops for kids that complement concepts taught in class.



The World's Leading Fun Science Provider!

Mad Science's Mission is to spark the imagination and curiosity of children everywhere by providing fun, interactive and educational activities that instill a clear understanding of science and how it affects the world around them.

Request a Workshop Today!

224-723-5724

NorthhIllinois.MadScience.org





School Age Hands-On Workshops

***Most workshops are easily adaptable for students in K5-8th grade**

Agent Undercover

Get into gear with Agent Undercover and learn what it takes to be successful in the spy world. With the Undercover Observer™, that you will make and take home, you can step into the shoes of a spy in action.

All About Animals

Feathers, fins, fur and more! Explore the animal kingdom and learn about the habitats, anatomy and life cycles of your favorite creatures. Make your own animal track to take home, experiment with camouflage and explore the amazing — and sometimes strange — sounds that animals make.

Atmosphere and Beyond

We're on a mission to explore the atmosphere on Earth, and beyond! Travel to the end of the rainbow and make a sunset! Discover how stars look in space and take home your own Meteorological Station™.

Be Sun Smart

Educates students about the need to protect themselves from the power of the sun! Understand the fundamentals of ultraviolet radiation while discovering the tools that can help protect them from the sun's damaging effects. Spot the sun's invisible UV rays with the Sun Beads™ kit.

Be Tobacco Free

Be Tobacco Free is designed to educate on the direct & indirect effects of tobacco use on the body. Children will learn about the unpleasant and unhealthy aspects of tobacco use through a series of hands-on experiments.

Black & Blue Oceans

Simulate the effects of an ocean oil spill and develop creative techniques to clean it up! Create your own Rescue Diver™ while learning about water, waves, and the environment.



Body Basics

Explore the amazing machine that can speak 48,000 words, move liquids 168,000,000 miles, and take in 3 pounds of food all in one day- your body! Find out how different systems work together to make our bodies work as we create our very own Organ Outfits™.

Bugs!

Engross yourself in entomology! Inspect authentic insect specimens. Update your insect anatomy know-how. Match-up insects with their habitats. Get bug-eyed with the Insect-A-Vision kit™.

Build Your Bones

Find out the importance of having calcium in your diet to promote the growth of strong bones! Helps students understand the role that calcium plays in muscle development, blood clotting and the transmission to the brain.

Chem in a Flash

Hop on board the Chemistry Express for a high-speed science experience! Perform instantaneous experiments in this fast-paced class on split-second reactions that go like mad! Pick up an Action Flask™ and have a blast!*

Che-mystery

Eliminate the mystery in chemistry! Explore one of the most exciting and fundamental sciences as you watch sand float on top of water and take home your very own Dynamic Dish!

Crime Lab

Got clues? Analyze clues and get hot on the trail of a culprit with the Crime Lab program. With the Spynoculars™ take home, you can safely observe clues from afar.

Current Events

Take a tour on the electron freeway! Investigate conductors, insulators, and other elements in the world of circuit electricity. Get turned on to science and technology with the Circuit Maze™.*

Decomposers

Introduce yourself to fungi, mushrooms, and our favorite decomposer- the worm! Discover the role that worms play in our ecosystem and plant growth. Learn how they eat, see, move, and help people recycle. Then build your own worm world (complete with a live worm to take home).



Detective Science

We'll transform the room into a crime lab to collect fingerprints and other clues. Learn how science is used to solve real crimes! Become an at home detective with our own Personal Profile™.

Dinosaurs

Delve into paleontology as we join a dinosaur excavation. Examine real fossil casts to see the differences in the teeth of herbivorous and carnivorous dinosaurs. Students will participate in a mini dinosaur excavation and make a cast of a dinosaur tooth to take home!

Discover Detection

Step into the shoes of a detective—uncover the science involved in evidence gathering and analysis. Take home your own Fingerprint Finder™ and continue your detective work!

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! Use your Thermocolor Kool Cup™ to test the temperature of liquid matter in your home!

Earthworks

Dig into Earth Science! Uncover rock samples and discover how they formed. Inspect fluorescent minerals. Model the moving plates that cause bends and breaks. See how sediment stacks with the Experi-tube™.

Electricity

Students excite electrons as they construct some serious circuits during this program all about electricity. They test various materials for conductivity with space-age plasma balls. Finally, they create and play a buzz-making electric game. Use your Static Stick™ on electrons at home.

Energy Burst!

Explore the energy of motion (potential versus kinetic energy), and how energy can be conserved. Launch the Mad Science Spring Thing™ to help learn all about energy — and shock your friends.



Fantastic Fliers

Fly through flight and aerodynamics basics! Discover the four forces that affect flight. Make and test various plane designs to see these forces in action! Build your flier to take home and fling it forward!

Fun-damental Forces

What do gravity, inertia, and centripetal force have in common? They are all part of the fun in this introduction to physics. Feel the pull of precession with the bike wheel gyroscope and strike the perfect balance with the Gravity Game™.

Funky Forensics

Evidence collection and puzzle making will lead you to understand why forensic scientists like to understand the complete picture before they make decisions. Create your own crime scene scenario with the Case Stamper™.*

Get Connected

Children chat on their own telephone network, find the limits to low-power radio signals, and wind through a cell tower relay. Get connected with your very own Wired World take-home project.

Glow Show

Discover amazing things that glow in the dark! Find out how fluorescence can be used to catch counterfeiters and how chemiluminescence can be used to make a light bulb in a bottle! Take home your own glow-in-the-dark sheet of fun science symbols!

Great Gravity

Children will have the opportunity to learn more about the force of gravity in this class. They will conduct hands on experiments that will provide the opportunity to explore the force of gravity, the center of gravity and even to defy gravity. See how well you know gravity with your own Gravity Game™ to take home.

Harnessing Heat

Take-on temperature. Build a thermometer and heat things up with friction. Feel how hot and cold can change at a touch. Apply your red-hot knowledge to your Heat Sheet™.



Invention-ation

Who made up the light bulb? Why is Rube Goldberg making things so difficult? Students are encouraged to be the most common type of scientist-an inventor, as they delve into the importance of the scientific method and create their own crazy inventions!

Jr. Detectives

Discover what it takes to be a detective in this hands-on look at detective science. Using powers of observations and your Inspektikit™, you will have all you need to get started on detective adventures.

Junior Reactors

Create a tiny world of atoms with your very own set of Atomic Coins™! Learn to recognize chemical reactions and mix up a few reactive ingredients for some sensational results!

Kitchen Chemistry

Cook up a chemical reaction! Blow up a balloon with yeast. Go on a nutrient hunt. Act out digestion from start to finish. Get a glimpse of your guts-in-action with the Digestor Inspector™.

Lab Works

Use your hands as a real Mad Scientist in this whirlwind class on how a lab works! Learn to manipulate laboratory equipment at your personal lab bench and take home your very own Graduated Gear™ to continue your research!

Life In The Sea

What is life like under the ocean's surface? What kind of animals and plants are found in the sea? Examine and investigate starfish, sea urchins and shells. Learn about buoyancy and adaptation. Make your own Cartesian diver, and find out what humans must do in order to explore the deep, dark depths of our planet's oceans.

Lights...Color... Action!

Catch some cool colors. Make a rainbow out of white light. Split your name with ink and reveal numbers with color filters. Color the world with the Technicolor Blender™.*

Living in Space

Live the life of an astronaut as you suit up for space flight! Participate in a space mission and repair a torn solar panel on a satellite. Use teamwork to complete an important space mission and build your very own Spacewalk Mission™ at home!



Mad Machines

See how simple machines lighten your load! Launch with levers, secure with screws, and work with wedges. Use pulleys to move heavy objects with ease. Wind-up the Drag Racer™ for some zooming action.*

Magnetic Magic

Explore the power of magnets. Create electromagnets and control a compass needle. See a magnetic accelerator in action. Grab a Magnet Lab™ for some at-home research.

Mineral Mania

Learn about the layers of the Earth, recreate a volcano, and devise ways to identify and classify rocks and minerals. They experience the thrill of panning for gem; the gems they find, they can take home for further study and investigation.

Mission: Nutrition

Step into some healthy habits Put together a food pie and lay out a perfectly proportioned meal. Burn calories and shake up an emulsion. Clip on your Step-O- Meter™ and walk on.*

Mix It Up

It's time to shake up solutions and explore mixture chemistry. Children sort out mixtures, clear color from a watery solution and see how useful a suspension can be. The Super Sorter™ gives children the tools to sort mixtures at home.

Movie Effects

Discover why science is the real star on the big screen. Create cool sound effects. Toy with 3-D technology. Make motion pictures come alive. Sketch a short feature in the Cartoon Creator™ flipbook.

Moving Motion

Learn all about the forces behind the movement of planes, trains and automobiles. Students will perform a series of experiments to learn more about friction, inertia, and other forces that affect the way things move. Throughout the class the children will add to their very own take home Newton Spinner™ to continue experimenting at home.

Optical Illusions

Work against your eyes. Trick your brain with lines and coils. Discover how mirrors and their reflections can play tricks on what you see. Make a periscope to see above and beyond.



pH Phactor

Slide down the colorful pH scale and dip into the world of acids and bases! Explore the pH extremes with your Reaction Tube™ in what is sure-to-be a popping experience! Discover whether liquids found in your home are acids or bases using your personal pH Paper!

Photosynthesis

How is a plant like a battery? Why do most plants appear to be green? Diagram the process of photosynthesis, see how plants convert light into food and germinate your very own seeds to take home.

Planets and Moons

Explore the farthest reaches of our solar system and create a lunar eclipse in this “mad” planetary tour! Learn how the planets stack up. Build a Gravity Assisted Launcher™ to take-home!

Radical Robots

Build your very own robot hand to take home in this class that focuses on technology. Explore how robots can be used to make our lives easier. Experiment with robots that can do some extraordinary tasks, infrared robots, robotic arms and even soccer playing robots.

Rocket Science

Investigate the four forces of flight and kids will work in groups to build rockets to launch at the end of the class.

Science of Art

Get your left and right brains working together and discover the links between science and art. Mix and separate colors, uncover art forgeries, investigate friction. Discover that science is an important part of art and get your own spin art card to take home.

Science of Magic

Learn the science behind illusions, read minds, and perform a Houdini-style escape! Amaze and amuse friends and family with the Curious Cube™. It's not magic—it's science!*



Science of Sports

Ever consider how important science is in sports? We'll demonstrate the physics of athletics and use the scientific method to create our own version of protective gear that you are able to take home.

Science of Toys

What makes toys work? Move out of the way for motorized toys. Take a spin with kinetic tops. Balance a bird to reveal its center of gravity. A twist of the wrist sets your Yo-Yo spinning!

Seeking our Senses

Learn to be a sense-ative person! Test your vision with our mindboggling illusions. Use your hearing for fun and games. Put your fingers to the test with our Braille cards and tease your tongue with our very own taste test.

Sleuths on the Scene

Suspects, schematics, and sleuths... oh my! Connect the dots using science to help solve a crime in this hands-on investigation at the science of sleuthing. Take home your own crime scene set up to try and stump your fellow investigators!

Slime Time

Ooze into a gooey hour of sliming around! Create slime using the Mad Science recipe, and then enter the Slime Olympics! Take home your own concoction of Mad Science Slime!

Sonic Sounds

Uncover the source of sound. Tap into sound waves and fill your ears with vibrations. Create sound effects and change the pitch of your voice. Use your Sonic Horn™ to make some noise.

Space Phenomena

Probe the mysteries of meteors and bounce around satellite light in this phenomenal program on space events! See comets up close as one is formed before your eyes, and take home your very own Space Telescope™!

Space Technology

Discover technology designed for outer space! Steer a laser beam through a laser maze, find hidden mountains using the principles of radar technology and discover everyday objects originally designed for use in space as we assemble our own Stereoscopic Viewers™!



Space Travel

Learn what it takes to be a true globetrotter! Race a balloon rocket and design your own car engine as you learn about thrust and build your very own Shuttle Copter™ to fly to the skies!

Spy Academy

Look out 007—the Mad Science Spy Academy is in session! Students will make and take home their own Secret Code Breaker™ to communicate stealthily at home, like real spies.

Sun and Stars

This stellar program is your ticket to the stars! Watch star dust burn, and journey through a soapy galaxy as you investigate the life cycle of stars! Check the constellations on your own Cosmic Disk™!

Super Power Sources

Embark on a quest for alternative energy sources! Harness the sun's heat and ramp up a power generation station. Act out a "Power Hunters" to search for renewable and nonrenewable resources. Generate power yourself on your own Crank N' Shine™ flashlight.*

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! Build a bond with glue and get attached to Professor Beakerdude™.*

Super Structures

Act like junior architects and engineers! Discover the hidden strength of triangles, arches and cylinders. Use combinations of shapes to build your own super-structure! Construct a structure from scratch with the Bridge Basics™ kit.

Under Pressure

Join Bernoulli as we take an exciting look at the science behind air pressure. Create a vortex with an Airzooka, and make pucks and balls levitate with air pressure! Launch foam rockets with the Air Blaster™.



Wacky Water

Simulate the effects of an ocean oil spill and develop creative techniques to clean it up! Create your own Wave Modulator while learning about water, waves, and the environment.

Walloping Weather

Get weather-wise. Uncover the reason for seasons. Create three-day weather forecasts. Stage a statically-charged indoor storm. Spot the sun's invisible UV rays with the Sun Beads™ kit.

Watts - Up

Charge up on static electricity. Make indoor lightning and conduct hair-raising experiments with an electro-static generator. Use your Static Stick™ on electrons at home.

Where's the Air?

Be amazed at the power of air around us. Use a vortex generator, watch an aluminum can implode, and make your own paper helicopter to take home.

Whodunit?

Test your skills and learn how the pros do it through careful observation and techniques to handle evidence properly. Using your Whodunit Kit™ take home, you can practice the skills of recall and observation.



Mad Science's Mission is to spark the imagination and curiosity of children everywhere by providing fun, interactive and educational activities that instill a clear understanding of science and how it affects the world around them.

Mad Science workshop programs...

- Balance learning and fun during our 60 minute workshop
- Are interactive and hands-on
- Are hosted by a trained, reliable, and dynamic MAD SCIENTIST!
- Include all necessary supplies and equipment
- Many classes come with a Teacher Resource Packet filled with pre and post activities
- ALL classes end with a cool take-home item for each child and a take-home card recapping what the kids learned during the workshop (great to show parents!)

Pricing:

Each workshop is based priced at \$350 for up to 30 kids. Multiple Workshop Discount Rate Available

*Classes with an asterisk have an additional \$3.00 per child materials fee

** We reserve the right to substitute take-home items with a similar alternative.

Nominal Travel Charges Apply

Nominal Travel Charges Apply for In-Person Workshops

Call us today - We'd love to work with you and bring our educational science programs to you!

224-723-5724

Email us at - info@madscienceni.com

Visit us on the web - Northillinois.madscience.org