



Mad Science of New York City & Westchester
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After School Clubs

Our hands-on, one-hour science programs are full of exciting activities, spectacular demonstrations, and cool take home projects every week. We rotate through six different themes over two years, so you can take back-to-back semesters without repeating any classes. Check out the different semester offerings below.



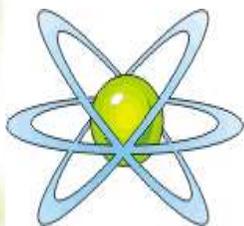
Junior Explorers (Grades K-2 or 3-5) (12 participants max)

Join Mad Science this session and discover why science is the real star on the big screen. You'll create cool sound effects and build your very own robot hand to take home in a class that focuses on technology. Harness the sun's heat and ramp up a power generation station. Get linked in to a network and work with radio signals. Conduct hands on experiments that will provide the opportunity to explore the force of gravity and even defy gravity! Some of the classes in this session include: **Movie Effects, The Science of Magic, Sonic Sounds, Optical Illusions, Wacky Water, The Science of Toys, Radical Robots, The Science of Art, Great Gravity and Get Connected.**



Bugs, Birds, Beasts & Beyond (Grades K-2 or 3-5) (12 participants max)

Explore the natural world and it's adaptations. Observe creepy crawly bugs, make casts of animal tracks & study the feeding habits of owls as we dissect their lunch's remains. Some of the weekly topics in this session are: **Bugs, Earthworks, Walloping Weather, Mission Nutrition, All about Animals, Life in the Sea, The Birds & the Beasts, Earth Awareness, Nature and The Science of Sport!**



Phreaky Physics (Grades K-2 or 3-5) (12 participants max)

Is your energy potential or kinetic? Find out with us as we explore centrifugal force & gyroscopes. Become a junior engineer and experiment with axles, pulleys, levers, gears and wheels. Some of the weekly topics in this session are: **Harnessing Heat, Mad Science Machines, Mad Magnets, Super Structures, Under Pressure, "Current" Events, Lights...Color...Action! Watts Up, Energy Burst & Fun-damental Forces.**



Crazy Chemworks (Grades K-2 or 3-5) (12 participants max)

Come and spark imaginative learning with some Mad chemistry. Watch as we combine elements and make them fizz, crackle and change color! We'll delve into molecules and chemical reactions that produce light, gas and even slime. Some of the weekly topics in this session include : **Lab Works, Junior Reactors, p.H. Phactor, Slime Time, The Glow Show, Dry Ice Capades, Icky Sticky Stuff, Chemistry Corner, The Mystery of Chem and Kitchen Chemistry**





Secret Agent Lab (Grades K-2 or 3-5) (12 participants max)

Step into the shoes of a detective and uncover the science involved in evidence gathering and analysis. You will probe the science of tracking as you stamp out scenarios and uncover codes in this session. Some of the weekly topics in this session include : ***Crime Lab, Cracking the Case, The Science of Security, Agent Undercover, Sleuths on the Scene, Funky Forensics, Spy Academy, Junior Detectives, Discover Detection and Whodunit?***



The NASA Academy of Future Space Explorers (Grades K-2 or 3-5) (12 participants max)

From our earth's atmosphere to the outer reaches of our solar system, join us on a quest for exploration! Comets, planets, stars and more are all waiting to be discovered. Learn about the four forces of flight and the challenges of space travel. Some of the weekly topics in this session include : ***Planets and Moons, Atmosphere and Beyond, Space Phenomena, Sun and Stars, Rocket Science parts 1 and 2, Space Travel, Space Technology, Living in Space***



School House Chess (Grades K-2 or 3-5) (12 participants max)

Schoolhouse Chess is devoted to helping kids develop learning and thinking skills by teaching them chess. Chess has been proven to help with logic, memory, analysis, reading, and mathematics, and has even been shown to improve IQ. However, Schoolhouse Chess understands the importance of making learning fun! We teach chess with fun characters and stories that are woven into a logical, step-by-step curriculum that begins with the basic rules and extends through advanced strategies and tactics.



The Mad Science Rocket Academy (3rd grade and up only) (8 participants max)

Design, draw & create your very own series of model rockets. A great way to investigate space flight, engineering and aerodynamics! *(Each Rocket takes 1-2 weeks to complete/Students will build several rockets and gliders over the session. We will include a day of launching demos provided we have adequate*



Robotics (3rd grade and up only) (8 participants max)

Spend the semester learning about robots while we experiment and play with them. We will discuss what makes robots different from humans while exploring circuits and conductivity as well as simple machines. Over the course of the semester each participant, guided by our scientists, will build a robot. Unlike other robotic clubs, **each child will get to keep their completed robot** at the end of the semester to show off to their friends!

Clients with programs in the fall/winter that run longer than 10-weeks may be assigned a blend of curriculums and presented a cycle named:

Chemicals, Codes & Crimes

Clients with programs in the winter/spring that run longer than 10-weeks may be assigned a blend of curriculums and presented a cycle named:

Secrets, Spies & Spaceships