

Mad Science Camps

For campers ages 6 (entering to first grade) to 12. Each full-day session is \$235/child, \$25 science kit fee, Monday to Friday 9 a.m. to 3 p.m. Each half-day session is \$140 per child, and \$15 science kit* (*\$25 for Robotics camp), Monday to Friday 9 a.m. to noon. (minimum of 10 children)

Mad Science Camp Location:
Sawgrass Springs Middle School
12500 W. Sample Road

Spy Academy-Secret Agent

June 8 to 12 & July 6 to 10 • Full-day camps
June 29 to July 3 • Half-day camp

Look out 007—the Mad Science spy academy is in session! From decoding messages to metal detectors and night vision, children will have the opportunity to check out spy equipment and even create their own edible messages! They will use the Secret Code Breaker to communicate in code, like real spies. With the Undercover Observer, children step into the shoes of spies in action. What looks like an ordinary camera is actually a sneaky surveillance device that lets children spy on the side. Following are some topics you will explore during this fun five-day camp: Discover Detection, Funky Forensics, Sleuths on the Scene.

Robotics: Red-Hot Robots

June 15 to 19 & July 13 to 17 • Full-day camps

Children will learn about the uses of robots in the world and applications. Campers will learn how robots discover the environment they are placed in using sensors. Working in groups, they will explore how robots work and how they can make our lives easier and spend time playing with red-hot robots. Children will develop new skills building their very own working robot to take home to “live” with you. Following are some topics children will explore during this fun five-day camp. Robot Concepts Robot Basics, Robot Building, Red Hot Robots, Robotic Science.

NASA-Mad Science: Journey into Outer Space

June 22 to 26 & July 20 to 24 • Full-day camps
June 15 to 19 • Half-day camp

This NASA-approved, -endorsed and branded camp will take children on a tour of the universe, and send them home with interesting information and take-homes, which will allow them to continue their explorations. Children will learn about Space Travel, Atmosphere & Beyond, Sun & Stars, Rocket Science, Space Technology, Living in Space and, and Planets & Moons. The camp is full of hands-on activities and great take-homes.

Crazy Chemworks Camp

June 29 to July 2 & July 27 to 31 • Full-day camps

This camp is full of hands-on activities and great take-homes. The camp introduces the basic tools and techniques that scientists use in the laboratory. Students will perform experiments and analyze their results to differentiate between the chemical and physical changes that may occur in a reaction. Children are introduced to the concept of pH, acids, and bases through a series of engaging, inquiry-based experiments and exciting demonstrations. Varied concoctions of slime will be stirred up scientific style, and the properties of slime will be tested in a team-spirited fashion at the Slime Olympics. Several fields of chemistry will be presented, and students will explore the many ways in which different chemical processes can be sped up through the use of catalysts.

My First Lab Preschool Camp

July 20 to 24 • Half-day camp • Ages 4 to 5

Preschoolers will journey through the basics of science exploration and discovery. We'll study the basics of light, color, and the world around us. Children explore the concept of energy and how energy gets things moving. A variety of experiments help them remember how energy and motion are related. They will explore the wiggly world of a worm.. They will get an up close look at the habits of a worm. Children will experience the poles and power of magnets. While exploring the world of the animal kingdom, They will learn about and listen to animal communication. We will examine different types of animal coverings such as fur, fins, and feathers. Children will be introduced to the science of paleontology.

The Science of Sport

July 13 to 17 • Half-day camp

Why do balls bounce? When a basketball player dribbles a ball down a court, what makes the ball keep coming back up to her/his hand? We will explain and do activities with the children for them to understand the science behind why balls bounce. How do you think that your body could help you be a good player? How about a healthy heart and lungs? Of course! Using lung models and lung capacity experiments, children will measure their lung capacity-needed for endurance sports. This program will also focus on nutrition and fitness, including the essential components of a healthy diet and lifestyle. Students will build a nutritional pie chart using life-sized food replicas and conduct hands-on experiments which will help them gain an improved understanding of how food is used to fuel our bodies.