

# The world's leading science enrichment provider for 30 years!



## Preschool Workshops

Mad Science Preschool Programs are engaging hands-on learning experiences for preschool children ages 3½ - 5. Each workshop is an interactive, age-appropriate exploration of a specific science topic. From air, our animal friends and butterflies to water, weather and worms, each themed program is designed to captivate the curious nature of young children. Preschoolers enjoy engaging demonstrations, perform simple experiments and will discover how science can help us better understand the world around us!

### WACKY WATER WORLD

**Water Works:** Water is more complicated than it looks and through this exciting workshop children will learn all about the different properties of water. They will experiment with floating, sinking, absorption and so much more.



**Sea, Sand & Surf:** Children will explore the science of the sea when they learn about what sand is made from, how shells are used by animals for protection and what animals live in the ocean. They will make their own ocean bottle to take home.

**Weather Wonders:** Through this interactive class preschoolers will help create a cloud in a bottle and will make it rain inside. They will also learn all about the water cycle and will create their own snow to take home.

**Brrr... Cold:** Manipulate matter in all of its states! Preschoolers will learn about an ice not made from water! Create fog filled bubbles and bubbling potions! Use your Thermocolor Cup to test the temperature of liquid matter in your home!

**Reduce, Reuse, Recycle:** : In this workshop, preschoolers will get to see how recycling affects our community and the animals around us. They will also learn how easy it is to sort our recyclable materials!

### CRAZY CRITTERS

**Fluttering Birds:** Children will be excited to learn all about their fine feathered friends when they take an up close look at birds. They will discover how to match bird mates, see what eggs are produced by which species; learn how a bird's beak is a tool and how to identify different bird's songs. Preschoolers will take home bird warblers to practice their bird songs at home.

**Butterflies:** Preschoolers discover all about butterflies – where they come from, stages of their growth, how they eat and even make some of their own to take home during this workshop.

**Animal Friends:** Roar with the lions and explore the animal kingdom. Learn about different types of families and how to talk like the animals. Examine a variety of animal coverings such as fur, fins, and feathers. Transform into your favorite animal when you create your very own mask.

**Wiggly World of Worms:** This workshop will provide preschoolers with an opportunity to get their hands dirty while learning all about worms. They will work with magnifying glasses to get an up close look at the lives and habits of worms.

**Bug Buddies:** Students will learn about insects beginning with their unique eyesight and the way they defend themselves against predators. See how camouflage works and take home fun finger puppets!

**Book Mad Science® today!  
(561) 747-3033**

**[palmbeachbroward.madscience.org](http://palmbeachbroward.madscience.org)**

## MY SENSES

**Listen Closely:** This workshop will introduce students to the science behind the sounds all around them. Children will experiment with a wave motion model and a twirling tube to help them understand that sound travels in waves and can be heard in a variety of pitches. They will also have the opportunity to learn about the everyday materials that make a variety of special effects noises in the movies and will watch, and hear, a bee buzz above their heads.

**Please Touch:** Children will learn how they understand the world with their sense of touch and will also emphasize that some objects are safe to touch while others are not. The preschoolers will be presented with the challenge of identifying a variety of objects using only their sense of touch. They will also experiment with an interesting and innovative material to model their very own creation.

**Eye to Eye:** This workshop will introduce students to their sense of sight. They will experiment with magnifying glasses, kaleidoscopes and binoculars. The preschoolers will also interact with a variety of optical illusions to illustrate that your eyes can sometimes play tricks on you.

**Taste and Smell:** Join us for a journey through your taste buds and sense of smell. This class will introduce preschoolers to their sense of smell and of taste and how they help them to enjoy all of their favorite foods and smells, as well as those that are not as pleasant. Students will create their very own scented pictures to take home.

**Let's Look Closely:** Children will discover a world that they might not have realized was there through the use of mirrors, microscopes and magnifying glasses. They will take away plastic magnifying glasses to continue their exploration at home.



## CREATIVE CATS

**Color Lab:** This workshop will introduce preschoolers to the exciting world of color. They will make a new friend while learning about the colors of the rainbow and will experiment with their creative side during an activity on color mixing. Demonstrations will be conducted to introduce students to the primary colors as well as color mixing.

**Lights On:** What is light? Mix colors of light and explore the rainbow of light.

**Science of Music:** Boom, tap, smack, cha-cha-cha, listen to the sounds and rhythm of the science of music. Children will feel, hear and see the vibrations that help create music in this hands-on exploration.

**Mad Mixtures:** Volcanoes and more simple chemistry fun, and make your own modeling dough to take home.

**Energy & Motion:** Children explore the concept of energy and how energy gets things moving in this workshop that uses toys to help explain simple energy ideas. They will take home toys called spring things that will help them remember how energy and motion are related.

## ALL THE HITS!

**Healthy Choices:** Preschoolers will be introduced to basic nutrition in this hands-on workshop. They will discover what makes a healthy meal and why they need to keep eating fruits and vegetables to grow strong!

**Adventures in Air:** Preschoolers will learn that even though air is invisible it is all around them all the time. They will also learn that air has the power to both move items and to slow them down. They will also experiment with a variety of items that rely on the air to help them move.

**Laser Light:** See the laser beam jump, dance, and change shape! Create a laser path with mirrors! Find out what makes lasers different from regular light.

**Space Frontiers:** Take your class on a trip through the solar system and sign them up for the Mad Science Astronaut in training program where they will learn all about the elements of space. Students will even get to take their very own mini rocket home.

**Digging for Dinosaurs:** Dinosaurs are always a huge hit with children, especially preschoolers. They will be introduced to the differences between meat eating and plant eating animals and will have the opportunity to look at some dinosaur teeth up close. They will also work as paleontologists by participating in a mini dinosaur dig that will engage their attention as well as their scientific skills.

## MY FIRST LAB

**Shapes and Structures:** Children will discover different shapes and structures by using different kinds of equipment like Geoboards and Magnatiles. They will create their own structure to take home using cornstarch based "noodles."

**Magnetic Attraction:** Experience the poles and power of magnets in this hands on workshop that even provides children with the opportunity to make their own magnet to take home.

**My Body:** Meet Mr. Bones and learn about muscles and body systems.

**Let's Measure!** Preschoolers will learn the basics of measurement during this workshop when they get to measure all kinds of objects using balance beam scales, bathroom scales and even their own feet! Children will be introduced to the concept of estimation and take home a measuring foot.

**Matter of Fact:** This workshop introduces children to the structure of atoms and molecules. Through a hands-on approach, students will learn and observe the difference between physical and chemical changes. Finally, students experiment with the chemical reactions resulting in the creation of Mad Science Goo®. This lesson provides an opportunity to develop scientific skills through inquiry based instructional methods.

**Sparkling Imaginative Learning**