



Mad Science of New York City & Westchester

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## PRE-K WORKSHOPS

Mad Science Preschool Programs are engaging hands-on learning experiences for preschool children aged 3-5. Each workshop is an interactive, age-appropriate exploration of a specific science topic. Every 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! Each 30 minute class is designed for 15 Pre-K students at a time.

**Color Lab**- Make a new friend, Mr. Roy G. Biv, while learning about the colors of the rainbow and experiment with your creative side while we mix colors.

**Taste and Smell** - Join us for a journey through your taste buds and sense of smell.

**Space Frontiers**- Take a trip through the solar system and sign up for the Mad Science Astronaut in training program where you can learn all about the elements of space.

**Listen Closely**- Experiment with a wave motion model and a twirling tube to understand how sound travels in waves and can be heard in a variety of pitches.

**Keep in Touch**- Learn how to understand the world with your sense of touch as we discover that objects are safe to touch while others are not.

**Eye to Eye**- Use magnifying glasses, kaleidoscopes and binoculars as we interact with a variety of optical illusions to illustrate that our eyes can sometimes play tricks on you.

**Adventures in Air**- Learn that even though air is invisible it is all around them us the time. See how air has the power to both move items and to slow them down.

**Digging for Dinosaurs**- Discover the differences between meat eating and plant eating animals and look at some dinosaur teeth up close.

**Shapes and Structures**

Discover different shapes and structures by using different kinds of equipment. Create your own structure to take home using cornstarch based "noodles."

**Weather Wonders**

Help create a cloud in a bottle and make it rain inside. Learn all about the water cycle and weather patterns.

**Water Works**

Examine the different properties of water as we experiment with floating, sinking, absorption and so much more.

**Science of Music**

You will feel, hear and see the vibrations that help create music in this hands-on exploration.

**Human Body**

Meet Mr. Bones and learn about muscles and body systems.

**Animal Friends**

Become an animal and identify animal sounds as we learn all about creatures big and small.

**Magnetic Attraction**

Experience the poles and power of magnets in this hands on workshop as we make our own take home magnets.

**Mad Mixtures**

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

**Lights On**

What is light? Mix colors of light and explore the rainbow of light.

**Wiggly World of Worms**

Have an opportunity to get your hands dirty while learning all about worms. Get an up close look at their lives and habits.

**Butterflies**

Discover all about butterflies - where they come from, stages of their growth & how they eat.

**Energy & Motion**

Explore the concept of energy and how energy gets things moving.

**Fluttering Birds**

Learn how a bird's beak is a tool and how to identify different bird's songs.

**Let's Look Closely**

Reveal hidden pictures and use hand held microscopes to observe objects closely.

**How Big? How Much?**

Witness the basics of measurement when you get to measure all kinds of objects using scales and even your own feet!

**Sea, Sand & Surf**

Explore the science of the sea when you learn what animals live in the ocean

**Healthy Choices**

Discover what makes a healthy meal and why you need to keep eating fruits and vegetables to grow strong!

