



# Mad Science

## Preschool Hands-On Workshops

These are a few of the Mad Science programs specifically designed for children ages 3 and 6 years. These workshops are 35 – 45 minutes in length and are accompanied by a Teacher Resource Package to further reinforce the topic covered in the class. The children also perform experiments, participate in demonstrations and have a take home item at the end of the program.

### 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.

### 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.



### 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.

### Keep in 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.

### 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.

### 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.



## 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 weather patterns and will design their very own windsock to take home.



## 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.

## Animal Friends

Become an animal, identify animal sounds, and learn all about animal's babies and parents.



## 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.

## Lights On

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

## Human Body

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

## Mad Mixtures

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



## 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.

## 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.

