



## INSPIRE YOUNG MINDS WITH MAD SCIENCE PRESCHOOL WORKSHOPS

Mad Science Preschool Workshops are unique hands-on, minds-on learning experiences for preschool-age children, 3 ½ to 5 year olds. Interactive and age-appropriate, each workshop introduces children to a basic science topic. From animal friends and bugs, to water, weather and worms, dozens of topics are available. Preschool workshops last for 45 minutes, but the interest they spark can last a lifetime.

### **ADVENTURES IN AIR** *with Toddler Time*

We cannot see it, smell it, or taste it but air is an important part of our lives. Kids discover the power of air through demonstrations and hands-on activities. Power a pinwheel, feel the swirling air from a vortex generator, and take home a toy glider.

### **ANIMAL FRIENDS** *with Toddler Time*

Explore the animal kingdom and learn about animal adaptations, their tracks, and the different sounds they make. Examine feathers, fur, and fish scales up close. Children take home a fun animal mask.

### **BUBBLE SCIENCE**

Take your turn standing inside a giant bubble. See a square bubble. Blow bubbles and learn about the properties of soap and water. Take home a bubble wand.

### **BUGS** *with Toddler Time*

Students explore the world's most abundant animals! What makes a bug an insect? How are insects' eyes different from our own? Students see a preserved giant lubber grasshopper up close and take home a bug eye lens.



### **COLOR LAB**

Experiment with color using Tub Tints® and pipettes to create your own secondary colors. See colors change due to a chemical reaction. Roy G. Biv helps you learn about the color spectrum. Make your own chromatography rainbow picture and take home diffraction rainbow glasses.

### **DANDY DINOSAURS** *with Toddler Time*

Discover how dinosaurs lived and what they had for dinner. As junior paleontologists, take part in a simulated dinosaur dig. Take home a cast of a Tyrannosaurus Rex tooth.

### **EGYPTOLOGY**

Stamp a picture with hieroglyphics. Participate in a dig for Egyptian artifacts and help your group wrap their mummy. Paint your own scarab beetle to take home

### **EYE TO EYE** *with Toddler Time*

Students use telescopes and binoculars to see the world in different ways. They discover the different parts of the human eye and take home their own binoculars.

### **HUMAN BODY**

Have fun learning while assembling the Mr. Bones puzzle. Take part in fun, hands-on activities that help us learn about our internal organs. Listen to your heart muscle with a stethoscope. Take home an Organ Outfit.

### **KEEP IN TOUCH**

Children learn about their sense of touch and then examine mystery materials using only their fingers. Junior sculptors use their fingers and hands to create a Model Magic® masterpiece to take home.

### **LET'S LOOK CLOSELY**

It is very important in science to always look closely. This is called making observations and helps us understand the world around us. Children look at objects with mirrors, flexible mirrors, microscopes and take home a magnifying glass.

## LIGHTS ON

We use our eyes to see but we also need light. Explore different kinds of light, colors of light, and what shadows are. Children even catch a shadow with phosphorescent paper and take home a rainbow peephole.

## LISTEN CLOSELY

Sounds are vibrations that we hear as they travel through the air in waves. Children will discover how they hear; they will test their listening skills, and have fun with sound effects. Take home a bird warbler and make wonderful birdcalls.

## MAD MIXTURES *with Toddler Time*

Children learn that Chemistry is a type of science that is all about mixing things together and observing the cool reactions. They experiment by mixing a mini explosion, floating colors, and then mix their own Mad Science color gel to take home.

## MAGNETIC ATTRACTION

Investigate the power and daily uses of magnets. Have fun testing a series of objects for magnetic properties. Take home a refrigerator magnet you colored yourself.

## ROCKET DEMONSTRATION *with Toddler Time*

Have fun with our Stomp Rockets and Balloon Rockets. See our model rockets while learning the parts of a rocket. Be part of the countdown team when we launch a Mad Science model rocket and watch it return to earth by parachute. Take home your own squeeze rocket.

## SEA, SAND, & SURF *with Toddler Time*

Children will explore the science of the sea as they learn what sand is made from, how shells are used by animals for protection, and what types of animals live in the ocean. They make their own model ocean in a bottle to take home.

## SHAPES AND STRUCTURES *with Toddler Time*

As a young architect it is important to understand various shapes such as triangles, squares, and circles and talk about two dimensional and three dimensional objects. Build your own log structure and take the Dixie® Cup challenge. Construct some shapes to take home.

## SPACE FRONTIER *with Toddler Time*

On your imaginary space trip, learn about constellations, planets, moons and the sun. Pretend to be an astronaut and collect moon rocks. Return to planet earth with your own foam squeeze rocket.

## TASTE & SMELL

As a young scientist, experiment with how much of flavor is triggered by visual cues and smell. Test your tongue with the four basic tastes. Preschool Picassos take home scratch and sniff stickers

## WATER WORKS *with Toddler Time*

Experiment with fun water activities. Discover the meaning of the words float, sink, density, absorption and surface tension. Turn little water droplets into big drops. Go home with your own sparkle tube.

## WEATHER WONDERS *with Toddler Time*

Be introduced to weather with interactive and hands-on activities. Concepts focus on wind, water vapor and how the water cycle works in our atmosphere. Junior meteorologists make a windsock to take home.

## WORLD OF WORMS

Use magnifying glasses to explore the fascinating body of a worm. Learn about their eating habits and where they live. Practice eating like a worm and take home your very own worm picture.



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## Pricing for 45 minute preschool programs

Up to 15 students                      \$110

Up to 20 students                      \$125

Book 5 or more workshops at one time to be held within a year and receive a \$10 discount off each program.

*Travel charges apply for locations more than 15 miles from our St. Paul office.*

The same program presented in the same room within 45 minutes receives a \$20 discount on the second workshop. If it is the same program presented in a different room, the discount is \$10.

Toddler Time (15 minutes in length) is \$35