



## 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 chemistry, weather and space, dozens of topics are available. Preschool workshops last for 45 minutes, but the interest they spark can last a lifetime.

**Length:** Preschool Workshops are 45 minutes.

**Prices:** unless otherwise noted in program description,  
\$120 for up to 15 students; \$135 for up to 20 students;  
\$170 for up to 25 students, limited choices, and organization must provide an adult assistant;  
Take home projects and prices subject to change.

\*\* For groups over 25 consider booking 2 workshops or a show, visit:  
[MN.MadScience.org/SpecialEvents.aspx](http://MN.MadScience.org/SpecialEvents.aspx) \*\*



**Discounts:** Regular price for 1<sup>st</sup> program, subsequent programs within 9 months receive a \$10 discount per program if booking 5 or more at one time.

**Equipment and Facilities:** Mad Science brings all equipment and supplies; Host provides space, tables & chairs for presenter and participants, adult supervision. Depending upon program, water and/or electricity may be needed.

**Travel Fee:** varies depending upon distance from St. Paul. Please call for additional information. 651-793-5721

\*\*\* Sign up for Mad Science eNews at [MN.MadScience.org](http://MN.MadScience.org) and catch special insider information. \*\*\*

### ADVENTURES IN AIR

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

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.

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

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.



### BUBBLE SCIENCE

(\$130 for up to 15; \$145 for up to 20)

## COLOR LAB

Experiment with color using Tub Tints® and pipettes to create 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

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

Students use telescopes, binoculars and microscopes 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.

## 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

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

*(\$130 for up to 15; \$145 for up to 20; \$180 for up to 25)*  
Have fun with Stomp 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

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

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

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.

## WEATHER WONDERS

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.

