Mad Science Workshops include a Mad Scientist, all equipment necessary, hands-on activities, exciting demonstrations and pre- and post-workshop information. The pre-workshop information includes vocabulary words and activities to prepare the children for the subject. The post-workshop information includes activities to further the instruction on the subject. Almost every class includes an item the children make to take home and share with their families. With pre- and post- workshop information, each teacher has three lesson plans on their chosen subject. The cost for workshops is $150 per group of up to 25 students.

Below is a short description of each workshop we offer. The workshops are arranged by typical grade level, but all workshops can be adapted by the instructor to be age appropriate.

While some of the classes sound the same, a lot of the equipment and activities are different. All the sessions are highly interactive/hands-on and promise a fun, educational experience.

**WORKSHOP DESCRIPTIONS**

**BE TOBACCO FREE**
Examine the science behind one smelly, puking habit. There’s no need fake the facts the discovery of the effects of tobacco on our bodies and minds is clear enough. This is “just the facts” and the empowerment of kids to make a stand.

**BODY BASICS**
Let’s try to digest all the systems in the body; think about it. Doesn’t the blood rush to your head and your knees buckle? Breathe in the biology as we explore the body human. The students will make an overlay of all the systems to take home with them.

**“CURRENT EVENTS”**
Take a tour on the electron freeway! Conductors, insulators, transistors, and other elements in the world of circuit electricity introduce themselves to you via the tingle in your fingertips and the twinkle in your eye...

**DECOMPOSERS**
Enjoy the squirmy side of science as we explore the important world of decomposition. Look at the types of decomposers and examine some of the characteristics of the more successful ones. Let’s open this bucket of worms and make mini-composters for everyone.

**DRY ICE**
Explore the 3 states of matter. Turn water to ice in 30 seconds, build a giant bubbling potion, carbonate plain drinking water and create the same awesome smoke illusions used in the movies...
"MATTER OF FACT"
Investigate the ingredients of the universe! Build your own marshmallow molecules! Play Alchemist by turning a nickel into gold "well almost" and use our secret formula to make your own Mad Science Putty!

MEASURE FOR MEASURE
Explore the weighty subject of measurement at length. Demonstrate the countless methods of measurement throughout history and see why the metric system is the language of science. Each child will get their own liter box with all the facts.

MINERAL MANIA
Discover Planet Earth. Peek beneath its crust and uncover what it's made of! Recreate the process of rock formation and learn how scientists classify and identify rocks and minerals. Experience the thrill of panning for gems and keep the stones you uncover!

MMM... TASTE
Explore your savory sense. Put on your lab coat and stick out your tongue for this lip-smacking tongue test. We'll discover the role our sniffer plays and put our taste buds to the test! (Best for younger students)

SEEKING OUR SENSES
Learn to be a sense-ative person! Test your vision with our mind-boggling illusions. Navigate your nerves and give your ears a hand by amplifying sounds with your very own Mad Science megaphone. Test your tasters and learn just what your nose knows.

SLIME
Giant molecule chains called polymers are vital to modern civilization and to life itself. Learn what makes these maverick molecules so unique and so very important. Explore, create and play with some polymers you may already know... and take it home with you.

TANTALIZING TASTE
Experiment with taste sensations while "mapping" out your tongue. Use lifesaver testing to compare your sense of smell and taste. Carbonate water, make your own Coke and Pepsi and take the "Mad Science" taste challenge..

TURN UP THE VOLUME
EUREKA! Archimedes knew something was up when the water went out. Discover the relationship of mass area and displacement. Look at the basis of the metric system and how it ties distance mass volume and temperature together. Taste the implications of the Fahrenheit scale in an icy way.

WATTS-UP
Learn about electricity, its properties and its role in natural phenomena. Make indoor thunder and lightning while conducting hair-raising experiments with our 600,000 volt Van der Graaff generator...

WHERE'S THE AIR?
Bernoulli never had it so good in this fun look at air pressure and aerodynamics. Why do airplanes fly and boats float? Let’s take a close hands-on look at all sorts of neat stuff involving Bernoulli’s principle.