

Mad Science Workshops

Exciting hands-on exploration in your classroom!

PS – Physical Science
LS – Life Science
ES – Earth Science
SM – Scientific Method

Kindergarten – 2nd Grade

LS – Tantalizing Taste - Stick out your tongue as you discover the delicious biology behind your taste buds.

PS – Dry Ice - Discover the states of matter by looking at frozen CO₂. Learn about the properties of one of nature's most common substances and how they pertain to other everyday items.

ES – Dirt on Garbage - the concepts of reduce, reuse and recycle are explored while Hands-on activities and interactive demonstrations will illustrate to students their role in improving the state of the planet.

LS – Seeking our Senses - Explore all five senses. Test your vision with optical illusions, experiment with your hearing, and try your hand at reading Braille.

PS – Magnetic Magnets - Discover the invisible fields surrounding magnets with our iron filings. Devise and perform experiments to test magnetic strength.

PS – Slippery Slime - This class demystifies one of the most fascinating and beneficial molecules known to mankind... Polymers!

LS – Body Basics - Study the science of your insides by learning about the major systems of the human body. Learn about how your food is digested, how your blood flows through your body and how your brain controls all of these parts.

ES - Decomposers - Worms + Garbage = Fertilized soil and a lot of fun! Discover the important role that decomposers play in the food chain. Take an up-close look at some of the decomposers that are living and working in our environment everyday.

PS – Sound Basics – Surf sonic sound waves in this "off beat" class. We will explore how sounds are created and transmitted.

PS – Measure for Measure - Through inquiry based teaching methods students will be introduced to and work with different items and challenges to engage their critical thinking and measuring skills.

3rd Grade – 6th Grade

LS – Be Tobacco Free – Children will be empowered to make the difficult decision whether or not to try smoking based on the scientific facts instead of peer pressure alone. Since the students will be learning about the health hazards through their own experiments, they are more likely to take this into consideration in making decisions later in life.

ES – Black and Blue Oceans – Students will devise and test oil spill techniques in a mock oil spill. They will also explore the causes and remedies for acid rain through pH testing and monitoring methods.

ES – Dirt on Garbage - the concepts of reduce, reuse and recycle are explored while Hands-on activities and interactive demonstrations will illustrate to students their role in improving the state of the planet.

LS – Ecosystem Exploration - Students will build ecosystem models, explore the elements of energy webs, reflect on how humans impact ecosystems, and use field journals for everyday explorations.

SM – Invention-ation - This workshop introduces children to how inventors work and that many inventions happen by accident. Through a hands-on approach students will learn that anyone, of any age can be an inventor.

PS – Slippery Slime – This class demystifies one of the most fascinating and beneficial molecules known to mankind... Polymers!

PS – Good Vibrations - Investigate the science of sound. You will be amazed as you hear church bells through your fingers and music through your teeth!

LS - Cells - Discover what make up the building blocks of life! This hands-on workshop provides students with an introduction to cell structure, including an understanding that cells are the building blocks of all living things, basic cell process and cell division.

ES - Mineral Mania - Recreate the process of rock formation and devise ways to identify and classify rocks and minerals.

PS - Electricity – Excite some electrons as you construct some serious circuits. Test various materials for conductivity with space-age plasma balls. Finally, create and play an electronic game.

PS – Matter of Fact - Explore molecules and how they are held together. See the dramatic differences between physical and chemical changes as you mix up a batch of your very own Mad Science® putty to take home.

PS – Magnetic Magnets - Discover the invisible fields surrounding magnets with our iron filings. Devise and perform experiments to test magnetic strength.

PS - Photosynthesis – Plants use the sun's energy to make their own food? Children will explore how this works during this hands-on introduction to photosynthesis. They will discover the chemical processes at work in the plant, plant respiration, and the role of plants in food webs.

6th Grade – 8th Grade

LS – DNA – designed to give them a head start on high school biology curriculum. This workshop introduces students to the basic concepts of molecular genetics.

LS - Heredity - In this workshop, you will be introduced to theories that will help you to understand why humans are all unique. The activities you will be performing will be a great introduction to the wonderful world of genetics.

LS – Inner Workings – Students will learn about the circulatory system, and the double pump action of the heart. Using a model for the pumping action of the heart, students will explore the function of the heart's chambers and valves.

PS – Turn up the Volume - This workshop introduces the concept of measurement through hands on activities that provide opportunities for children to learn proper way to measure volume.



ES – Black and Blue Oceans – Students will devise and test oil spill techniques in a mock oil spill. They will also explore the causes and remedies for acid rain through pH testing and monitoring methods.

