



NUTS ABOUT SCIENCE

Virtual Class Descriptions

- 1) **Germs, Bacteria & Me:** Students learn what germs are, how to properly wash their hands, and why a mask protects us from germs in this class. We investigate germs, bacteria and viruses, have the hand-washing challenge with Glitterbug Potion and color a germ Shrinkle!
- 2) **The Sounds of Science:** We discover how sound is created, what pitch is, and how to create resonance in this class. Students create a chicken cup, a screaming balloon and a banjo. Students are encouraged to share their own musical talent too!
- 3) **Light, Color, Action!** What is light? What is color? Students discover the science of light and color by experimenting with color changing beads, see prisms with rainbow glasses and make a rainbow in a test tube.
- 4) **Magnet Mania:** What is a magnet? Students find out as they take the paperclip challenge, create a magnetic spinning top and a homo-polar motor.
- 5) **Science Magic:** Can magic tricks be explained with science? To answer this question, we'll demonstrate and perform some magic tricks while learning the scientific properties behind them. (Magic tricks include Magic Sand, the disappearing water trick and writing hidden messages in goldenrod paper)
- 6) **Wild Weather and Pink Snow:** Sometimes weather is just plain wild! We investigate different weather phenomenon such as pink snow, tornados and lightening as we create a tornado-in-a bottle, pink Insta-snow and experiment with static electricity using a balloon and Styrofoam beads.
- 7) **Slippery, Slimy Science:** Join us for this hands-on slippery, slimy science class as we discover what a non-Newtonian fluid is. Students will explore how matter changes physically and chemically as we create gooey slime, amazing Oobleck, and make a frog grow just by adding water!
- 8) **Colorful Chemistry:** In this colorful class students will learn about pH, atoms, acids & bases, and what an indicator is as we experiment with red cabbage juice to make colorful changes with different liquids.
- 9) **Crazy Chemistry:** Who doesn't love mixing stuff together to see what happens? In this class we learn what Matter is by experimenting with ordinary kitchen items such as baking soda, lemon juice and make tons of Chemistry FUN!
- 10) **Our Planet Earth:** We discuss what makes the Earth special the many resources found on it and how we can conserve them! Activities include making a model of the Earth and hydrating Water Gel Crystals.
- 11) **Rock On!:** Students become a Geologist for the day as we learn about the rock cycle, perform tests on all three types of rocks (Igneous, Sedimentary and Metamorphic), and discover what a mineral is!



- 12) **Fascinating Fossils:** We go back in time to learn about what happened to the remains of plants and animals as we discover what fossils are and how they are made. Student will identify some real fossils and make a fossil cast of a shell!
- 13) **Crystal Science:** Why are crystal so mysterious and beautiful? Students discover the answer to this question by creating beautiful and colorful salt crystal trees and Borax crystals.
- 14) **Volcano Fun:** Join us as we learn all about volcanos from the inside out. Then you will get to build a volcano model. Volcanoes are cool and it's even cooler to watch them erupt, WATCH OUT!
- 15) **Just Add Water:** We'll explore the three states of mater and what atoms and molecules are as we create three amazing experiments by just adding water! (Experiments include Insta-Snow, Water Gel Powder and a growing Frog!)