

## Molecule Mania



**Overview:** Discover the science behind magnet magic and magnetism mysteries! Watch as a twisting coil climbs up and down without moving, and a towel turns into a dog! Get hands-on with magnifiers, model tongues, and mirrors to see what your own tongue looks like. Feel the force of electricity and role-play molecules of sounds! Take home a science experiment every class!

### **Harnessing Heat**

Learn how molecules move at different temperatures and how thermometers work. Observe a heat gun and thawing blocks to see how we use temperature-sensitive equipment in our everyday lives. Shake it up baby, and feel how friction increases temperature. Discover how cotton candy is made, and sample this tasty treat! Take home a temperature-sensitive experiment.

### **Lights, Color, Action!**

Enter the world of light and color! Blend and separate white light into colors. Experiment with prisms, diffraction lenses, and chromatography. Use tinted lenses to experience colorblindness and see through the eyes of animals. A light induced, optical effects Technicolor Blender Take-Home completes this illuminating adventure!

### **Magnetic Magic**

Explore the role of magnetism in our everyday lives. Discover the science behind magnet magic and magnetism mysteries! Use magnetic wands, explore magnetic attracting and repelling forces, confuse compass needles, and magnetize paper clips. Take home your own Magnetic Lab to continue experimenting at home.

### **Mission Nutrition**

Learn about nutrition and fitness while focusing on a healthy diet and lifestyle. Build a nutritional pie chart using life-sized food replicas and experiment with emulsions to learn how bile works. Take home a Mad Science Step-O-Meter, a real pedometer!

### **Optical Illusions**

Explore the physics of optical illusions. Watch as a twisting coil climbs up and down without moving, and a towel turns into a dog! Manipulate flexible mirrors and explore the world with inverted vision. Build your own periscope to take home.

### **Sonic Sounds**

Capture the characteristics of sound concepts and sound waves by role-playing molecules to demonstrate sound wave motion. Participate in sound experiments and live demonstrations showing the properties and transmission of sound waves. Take home your own Sonic Horn resonance chamber.

### **Tantalizing Taste**

Develop a taste for science! Get hands-on with magnifiers, model tongues, and mirrors to see what your own tongue looks like. Experiment with scented test tube samples and discover the link between taste and smell.

### **Watt's-Up**

Discover the world of electricity, its properties, and its role in natural phenomena. Observe indoor lightning, make feathers levitate, and conducting hair-raising experiments with our electro-static generator. Assemble a Static Stick to take home for some electron fun!