



## **Crazy Chemworks Camp**

**Grades 1 to 5**

Explore the chemistry of everyday life. Become a Mad Scientist as you use chemical reactions to devour steel wool, experiment with polymers by mixing up a batch of slime, and learn about acids and bases while testing the pH of various substances. Join us for a week of classic experiments and crazy concoctions with spectacular hands-on activities.

### **Chemistry Club (Lab Works and pH Phactor)**

Learn real laboratory techniques at your personal lab bench, and continue your research at home with your Graduated Gear kit. Slide down the colorful pH scale into the world of acids and bases! Then test the pH extremes at home with your own test paper. Take home a popper stopper reaction tube kit to experiment with chemical reactions.

### **Reaction Time (Junior Reactors and Chem in a Flash)**

Experiment with several chemical reactions with colorful and sometimes sensational results! Detect the difference between a chemical reaction and a physical reaction. Build model molecules with your own set of Atomic Coins. Perform oxidation experiments and watch them corrode copper and devour steel. Learn the secret and amazing reaction that makes re-usable hand warmers so hot. Take home a Mad Science Action Flask kit and have a blast!

### **Chemical Combo (Glow Show and Slime Time)**

Probe the properties of light and explore the science behind glow-in-the-dark technology. Learn about the fantastic physics of fluorescence. Write secret messages that only appear under ultra violet light! Learn all about polymers and how they make our modern world possible. Make your own take home polymer with very slimy results.

### **Crazy Concoctions (Super Sticky Stuff and Kitchen Chemistry)**

Stick it to the walls, and push the power of tape to the limits in this adhesive hour on things that cling! Build a bond with glue and get attached to Professor Beakerdude. Students will be introduced to the laboratory that we call our kitchens. Use a chemical color change to test foods for protein and a chemical reaction to inflate a balloon. Learn the secret science of the fizzy reaction of Diet Coke and Mentos.

### **Cool, Cool Chemistry (Dry Ice Capades and Che-Mystery) (only in 5 day camps)**

Manipulate matter in all of its three states! Melt metal in boiling water and freeze water with just a breath of dry ice! Take a cloud shower and catch a fog filled bubble. Discover the mysterious wonders of chemistry as we see acetone reduce foam to a puddle of goo and make a non-Newtonian fluid.

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