

Camp: Potions, Powders & Polymers Academy



Monday	Tuesday	Wednesday	Thursday	Friday
<p><u>CO2 Craze</u> Science Explorers will experiment with chemical reactions and will create an awesome soda fountain, make a fizz powder, and try some rockin' candy made with CO2.</p>	<p><u>Treasure Hunt</u> Science Explorers will excavate minerals and classify their newly found treasures.</p>	<p><u>Spectacular Spectroscopes</u> Science Explorers will investigate the properties of light and learn that white light contains the visible spectrum of colors. Science Explorers will construct a spectroscope to allow them to look at the spectra of different kinds of light.</p>	<p><u>Wizard Powders</u> Science Explorers will experiment with polymer powders that either repel or absorb liquids.</p>	<p><u>Ice Cream & Jelly Bean Tasting</u> Science Explorers will discover how salt lowers the freezing temperature of water and will make their own ice cream. They will also use their senses as they taste test some interesting jelly beans.</p>
<p><u>Creepy Creatures</u> Science Explorers will experiment with super absorbent polymers and sodium alginate to make some creepy creatures.</p>	<p><u>Mission Immiscible</u> Science Explorers will investigate immiscible substances. They will create bouncing bubbles spheres and glowing lava lamp bottles.</p>	<p><u>Optical Illusions</u> Science Explorers will experiment with optical illusions and will build a circuit to create a super spinner that tricks the eye into seeing colors that aren't really present.</p>	<p><u>Foaming Monster and Growing Glove</u> Science Explorers will learn about the three states of matter and will create endothermic and exothermic chemical reactions.</p>	<p><u>Glowing Slime and Floam</u> Science Explorers will cross-link polymers to create glowing slime and floam. They will also experiment with chemical luminescent glow sticks. <u>Magic Show</u> –½ day Science Explorers will show off their favorite tricks and experiments.</p>
LUNCH, AM CAMPERS LEAVE	LUNCH, AM CAMPERS LEAVE	LUNCH, AM CAMPERS LEAVE	LUNCH, AM CAMPERS LEAVE	LUNCH, AM CAMPERS LEAVE
<p><u>Bag of Tricks</u> Science Explorers will create visual illusions using the science of static electricity, water absorbing polymers and evaporation.</p>	<p><u>Banshee Screamer</u> Science Explorers will learn what causes sound and will create projects that use vibrations to make interesting sounds.</p>	<p><u>Poppin' Periscopes</u> Science Explorers will utilize the properties of light reflection to build a periscope.</p>	<p><u>Jiffy Juice Jitterbug</u> Science Explorers will use a natural indicator to determine if mystery liquids are acids, bases, or neutrals.</p>	<p><u>Troll Tricks</u> Science Explorers will use the science of illusions, surface tension, chemical reactions and adhesion to perform a variety of tricks.</p>
<p><u>Crystal Garden – Class Experiment</u> Science Explorers will experiment with everyday crystals and will grow a beautiful crystal garden.</p>	<p><u>The Magic of Air</u> Science Explorers will investigate the properties of air, learn about high and low pressure systems and see the Bernoulli Effect in action. They will then perform amazing air pressure tricks.</p>	<p><u>Polymer Powers</u> Science Explorers will transform super absorbent polymers into a rainbow tube and will discover an amazing invisible surprise.</p>	<p><u>Happy/Sad Super Balls</u> Science Explorers will experiment with the concept of energy and will make two types of super balls.</p>	<p><u>Mysterious Microbes Part 2 And Crystal Observations</u> Science Explorers will record observations on the microbes that grew during the week and find which fomites grew the most colonies. They will also record the growth of sugar & salt crystals.</p>
<p><u>Mysterious Microbes</u> We will find that microbes are everywhere and will test common objects for their presence. We will demonstrate how hand-washing controls the spread of germs.</p>				<p><u>Magic Show – Last ½ Hour</u> Science Explorers can show off their favorite tricks and experiments to their family and friends and will reveal the science behind the magic!</p>