

# Science Camp Materials List (K-2)

	Project 1	Project 2
Week 1- Density & Surface Tension	<b>Making Bubbles</b> <ul style="list-style-type: none"> <li>• 1 cup warm water</li> <li>• ¼ cup clear dishwashing detergent</li> <li>• 1 tablespoon glycerin (substitute: vegetable oil)</li> <li>• Pipe cleaners (substitute: string)</li> <li>• Container</li> <li>• 1 Straw</li> <li>• Surface that can be wet</li> <li>• Water</li> <li>• 1 Spray bottle</li> <li>• Washable paint (substitute: food coloring)</li> </ul>	<b>Sink or Float</b> <ul style="list-style-type: none"> <li>• Water table/water container</li> <li>• Water</li> <li>• Various item: button, pencil, flower, crayon, apple, rubber duck, small ball, leaf, pear, plastic bottle, sponge, wood, plastic ball, cork, coin, die, spoon, etc.</li> </ul>
Week 2- Chemical Reaction	<b>Secret Message with Invisible Ink</b> <ul style="list-style-type: none"> <li>• Lemon</li> <li>• Small bowl</li> <li>• Cotton swabs/paintbrush</li> <li>• White paper</li> <li>• Heat source (light bulb or hair blow dryer)</li> </ul>	<b>Elephant Toothpaste</b> <ul style="list-style-type: none"> <li>• Clean 16 ounce plastic soda bottle or water bottle</li> <li>• Hydrogen Peroxide</li> <li>• Dry yeast (1 pack)</li> <li>• Warm Water</li> <li>• Liquid dishwashing soap</li> <li>• Food coloring</li> <li>• Funnel</li> <li>• Tablespoon</li> <li>• Googles</li> </ul>
Week 3- Physical Change	<b>Chromatography Flowers</b> <ul style="list-style-type: none"> <li>• White coffee filters</li> <li>• Pipe cleaners/small sticks</li> <li>• Washable markers</li> <li>• Water</li> <li>• Scissors</li> <li>• Tape</li> <li>• Short cup</li> <li>• Container</li> </ul>	<b>Ice Cream</b> <ul style="list-style-type: none"> <li>• Half-and-half (whole milk)</li> <li>• Granulated sugar</li> <li>• Pure vanilla extract</li> <li>• Ice</li> <li>• Kosher salt (substitute: table salt)</li> <li>• 1 Quart size plastic bag with zip seal (ex. Quart size Ziploc bag)</li> <li>• 1 Gallon size plastic bag with zip seal (ex. Gallon size Ziploc bag)</li> <li>• Food coloring (optional)</li> </ul>

# Science Camp Materials List (3-5)

	Project 1	Project 2
Week 1- Density	<b>Lava Lamp</b> <ul style="list-style-type: none"> <li>• Water</li> <li>• Oil (vegetable oil)</li> <li>• Food coloring</li> <li>• Effervescent antacid tablets</li> <li>• Tall glass or bottle with lid/mason jar</li> </ul>	<b>Sink or Float</b> <ul style="list-style-type: none"> <li>• Water table/water container</li> <li>• Water</li> <li>• Various item: button, pencil, flower, crayon, apple, rubber duck, small ball, leaf, pear, plastic bottle, sponge, wood, plastic ball, cork, coin, die, spoon, etc.</li> </ul>
Week 2- Chemical Reaction	<b>Secret Message with Invisible Ink</b> <ul style="list-style-type: none"> <li>• Lemon</li> <li>• Small bowl</li> <li>• Cotton swabs/paintbrush</li> <li>• White paper</li> <li>• Heat source (light bulb or hair blow dryer)</li> </ul>	<b>Slime</b> <ul style="list-style-type: none"> <li>• 8-ounce bottle of white school glue</li> <li>• 1 ½ - 2 tablespoons of contact lens solution</li> <li>• 1 tablespoon baking soda</li> <li>• Container</li> <li>• Food coloring (optional)</li> <li>• Glitter (optional)</li> <li>• Plastic bag with zip seal (ex. Ziploc bag)</li> </ul>
Week 3- Physical Change	<b>Chromatography Flowers</b> <ul style="list-style-type: none"> <li>• White coffee filters</li> <li>• Pipe cleaners/small sticks</li> <li>• Washable markers</li> <li>• Water</li> <li>• Scissors</li> <li>• Tape</li> <li>• Short cup</li> <li>• Container</li> </ul>	<b>Ice Cream</b> <ul style="list-style-type: none"> <li>• Half-and-half (whole milk)</li> <li>• Granulated sugar</li> <li>• Pure vanilla extract</li> <li>• Ice</li> <li>• Kosher salt (substitute: table salt)</li> <li>• 1 Quart size plastic bag with zip seal (ex. Quart size Ziploc bag)</li> <li>• 1 Gallon size plastic bag with zip seal (ex. Gallon size Ziploc bag)</li> <li>• Food coloring (optional)</li> </ul>