



CAMP CRAFT: Fireworks in a Jar

This week at Camp Save-a-Watt, we'll be learning how to be safe around electricity. We will identify potential hazards and what to do if we see them. Electricity is useful, but also very dangerous, just like fireworks are fun, but also very dangerous. Our camp craft this week will be creating our own version of fireworks using kitchen materials.

Materials needed:

- Large jar
- Small dish or bowl
- Water
- Vegetable oil
- Measuring spoons
- Food coloring



1

Fill your jar with warm water $\frac{3}{4}$ of the way full. In your small bowl, add 3-4 tablespoons of vegetable oil.



4

Observe what happens as the mixture settles and watch the fireworks move through the water.



2

Add a few drops of food coloring to the oil (use the spoon to mix, if desired).

BONUS STEP:

Add a few drops of a different color food coloring to the mixture to see what happens.



3

Take your food coloring mixture and carefully pour it into your jar.

Note: Oil is less dense than water and will float to the top, while the food coloring will sink to the bottom and dissolve. Repeat the experiment trying different color combinations.

