



B&O JUNIOR JUNCTION

HOMEMADE LAVA LAMPS

MATERIALS:

- Clear bottle with a lid
- Water
- Food coloring
- Vegetable oil
- Alka-Seltzer

Did you know that water and oil don't mix like other ingredients? Why, you may ask? Density! This means that the oil doesn't weigh enough to mix with the water, so the water sinks to the bottom and the oil floats to the top. We can use this information to make many kinds of fun experiments. For example, today we will make a colorful lava lamp at home!

INSTRUCTIONS:



1) Mix your food coloring with 1 cup of water.



2) Fill your clear bottle about $\frac{3}{4}$ of the way with the vegetable oil. Make sure you leave enough room for your colorful water and a little room for air!



3) Carefully pour your colored water into your bottle. Remember, leave some room for air at the top of your bottle.



4) Break up one Alka-Seltzer tablet into small pieces.



5) Add your Alka-Seltzer pieces slowly, waiting 1 or 2 seconds in between pieces.



6) Secure the lid on the top of your bottle and step back. The bubble show is about to begin!