

Experiment Details for Session 1: **COLORS!**

Reminder: All experiments recreated at home should be done under supervision of parent or guardian to ensure the safety of the child. No experiments listed should cause any harm!

Magic Milk

Materials:

1. Milk (must be only 2% or whole)
2. Food colorings
3. Q-tips/Cotton Balls
4. Dish soap

Procedures:

1. Pour some milk into a plate or any flat surface
2. Put a few drops of your favorite food coloring into the milk!
3. Take a q-tip or cotton ball and dip it into some dish soap
4. Draw patterns over the surface of the milk with the q-tip, or drop the cotton ball in
5. Watch the cool chemical reaction take place!

Color Drawing

Materials:

1. A small piece of paper
2. A black sharpie
3. 2-3 color sharpies
4. Ziploc bag about the size of the paper)
5. A transparent glass/jar big enough to dip the ziploc fully
6. Water

Procedures:

1. On a piece of paper, draw anything with a black sharpie
2. Color it with color sharpies of your choice
3. Put the paper in a ziploc
4. Trace the drawing with a black sharpie on the ziploc
5. Let it sit for about 5-10 seconds
6. Now submerge the ziploc bag into the bowl of water

What do you see? (Make sure to look at the drawing from both top and from side)

- TIP: When you're done with the experiment, make sure to reuse the water! You can water a plant or wash your feet, but please don't drink it!

Lava Lamp

Materials:

1. Vegetable Oil
2. Water
3. Food Coloring
4. Transparent Glass/Cup
5. Alka Seltzer (Tums may work as well)

Procedure:

1. Fill your cup/glass with about $\frac{3}{4}$ of vegetable oil
2. Fill the rest up with water and watch as the water sinks to the bottom!
3. Add a few drops of your favorite food coloring
4. Take your Alka Seltzer (or Tums) and break it into a few small pieces
5. Put the tablet pieces in a few at a time, and watch your lava lamp erupt with colorful bubbles!
6. If you want your lava lamp to erupt even more, just add another tablet!

Have fun!