

Experiment Details for Day 2 (Dec 29th) Winter Session: **HOLIDAY THEMED!**

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

Magic Milk Holiday Edition

Materials:

1. Milk (2% or whole milk)
2. Food coloring
3. Q-tips/Cotton Balls
4. Dish soap

Procedure:

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!

Ice Fishing

Materials:

1. Ice cubes
2. Tray
3. String/yarn
4. Salt
5. Water

Procedure:

1. Pour enough water in a tray to allow ice cubes to float
2. Add some ice cubes into the tray filled with water
3. Take your string and lay it across several ice cubes that you want to fish!
4. Sprinkle salt onto the string
5. Wait a few seconds before lifting the string laying on the ice cubes
6. Think about why you can't use the string to pick up the ice but adding salt allows you to!

Exploding Bag

Materials:

1. White Vinegar
2. Baking Soda
3. Ziploc bag
4. Water

5. Tissue/napkin

Procedure:

1. Fill a Ziploc bag with $\frac{1}{4}$ cup of water
2. Add in a $\frac{1}{2}$ cup of vinegar
3. Add about a tablespoon of baking soda to a tissue
4. Fold the tissue/napkin up and place it in the Ziploc bag
5. Quickly seal the bag tight and wait for the explosion! (Make sure you are outside or doing the experiment in a tray)
6. Think about why the reaction occurred!

Have Fun!