

## Experiment Details for Day 1 (Dec 28th) 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!

### Dissolving Peppermints

Materials:

1. Peppermints/Candy Canes
2. 3 Jars/Glasses
3. Hot Water
4. Room Temperature Water
5. Cold Water

Procedure:

1. Pour some room temperature water into a jar/glass
2. Pour some cold water into a second jar/glass (add ice if necessary)
3. Have an adult boil some water on a stove
4. Carefully have an adult pour the hot water into a third jar/glass
5. Drop one or two peppermints into each jar
6. Watch as they dissolve!
7. Think about why some are dissolving faster than others!

### Baking Soda Mini Eruptions

Materials:

1. Distilled vinegar
2. Water
3. Baking soda
4. Hand soap/dishwashing liquid
5. Small cups
6. Measuring cups/spoons
7. Any holiday accessories (food coloring, glitters, beads, anything you want)

Procedure:

1. Measure a  $\frac{1}{8}$  cup of baking soda and pour it into one small cup
2. Add 2 drops of food coloring and any accessories of your choice!
3. Add a few drops of hand soap/dishwashing liquid
4. Repeat steps 1-3 in a second cup
5. Measure a  $\frac{1}{4}$  cup of vinegar and a  $\frac{1}{4}$  cup of water
6. Pour the water into one of the cups. What do you observe?
7. Pour the vinegar into the other cup. What do you observe?
8. Think about why these reactions took place!

## Peppermint/Candy Cane Oobleck

### Materials:

1. Cornstarch
1. Water
2. Peppermints/Candy Canes
3. Tray
4. Spoon

### Procedure:

1. Add about a cup of cornstarch to a tray
2. Pour a  $\frac{1}{2}$  cup of water into the tray (make sure cornstarch and water are in a 2:1 ratio)
3. Drop in a few peppermints, candy canes, glitter, food coloring, or anything you would like to make your oobleck a little more holiday-themed!
4. Mix everything together using a spoon
5. Start playing with the oobleck using your hands!

**Have Fun!**