

Experiment Details for Session 4: **SCIENCEZOOMZ** Summer 2021

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!

Water Fireworks

Materials:

1. Water
2. Oil
3. Food Coloring
4. 2 Clear Glass
5. Something to mix with

Procedure:

1. Fill a glass with room-temperature water
2. Pour two tablespoons of oil into another glass
3. Add drops of different food coloring into the glass with oil
4. Stir the food coloring into the oil until the food coloring breaks down into smaller drops
5. Pour the oil mixture into the water
6. Watch the underwater fireworks!

Beads Slime

Materials:

1. Beads
2. Glue
3. Activator (borax + water)
4. Bowl
5. Utensil to mix (spoon/popsicle stick)

Procedure:

1. Pour glue into the bowl
2. Then, add little amounts of activator at a time
3. You should get a getting a slimy consistency
4. Finally, add your beads into the slime and mix it all in properly!

Turmeric Acid/Base Experiment

Materials:

1. Turmeric Powder
2. Small Jar/Bowl
3. Lemon Juice - acidic
4. Detergent - basic

Procedure:

1. Pour a cup of water into a glass
2. Mix one spoon of turmeric into the water
3. Pour the turmeric and water mixture into two small bowls
4. Add a few drops of lemon juice into one bowl
5. Observe what happens!
6. Add a half spoon of detergent into the other bowl
7. Observe what happens!
8. Now add lemon juice into the detergent and turmeric water mixture to watch the color change back!

Have Fun!