

## Experiment Details for Session 5: **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!

### **Make a Coin Brand-New**

Materials:

1. Coins
2. Vinegar
3. Milk
4. Dish Soap
5. 3 Cups
6. Paper towels

Procedure:

1. Pour your different solutions into your cups (you do not have to fill it; just enough to sink your coin)
2. Place one coin in each of the solutions
3. Wait for 10-15 minutes
4. Then, remove the coins from the solutions and clean them with your paper towel
5. That's it! You have brand new coins!

### **Balloon in a Bottle**

Materials:

1. Balloon
2. Plastic Bottle (any size)
3. Drill/scissors to poke a small hole in bottle
4. Water
5. Funnel

Procedure:

1. Drill or poke a small hole into the bottom of a plastic bottle!
2. Place the balloon inside bottle and attach balloon opening to bottle rim
3. Place mouth on bottle rim with balloon attached and blow air into it
4. Watch the balloon inflate and deflate!
5. Place your finger on the hole in the bottle after blowing the balloon to make it stay (make sure you keep it there for step 6)!
6. Use the funnel to add some water into the balloon
7. Carefully remove the balloon from the bottle rim and tie it after taking your finger off the hole in the bottle

Note: Steps 6 and 7 may get messy, so please work outdoors or over a sink/easy-to-clean space! If you need assistance in any step, please get help from a parent/guardian :)

### **Candle Blow-Out Without a Blow**

Materials:

1. Candle
2. Baking Soda
3. Vinegar
4. Cup

Procedure:

1. Light your candle
2. Mix baking soda and vinegar in a cup
3. Hold the cup on top of your flame to observe it get blown out ( make sure your mixture is still fizzing or you might see the expected result)
4. Try it as many times as you want!

Not: Ask your parents for help when lighting the candle :)

### **Candle Suction**

Materials:

1. Candle
2. Water
3. Food coloring/ Paint
4. Plate
5. A clear cup (larger than your candle)

Procedure:

1. Mix water and food coloring in a cup to create a bright color
2. Pour the colored water into the plate
3. Gently place the candle on the plate
4. Light the candle using an adult's help
5. Place your cup on top of the candle
6. Observe the water getting suctioned into the cup

Note: (1) DO NOT fill the plate too much before it might overflow and create a mess. (2) Detach the cup from the plate on top of a sink (after the experiment is over)

**Have Fun!**