

CANDY SCIENCE



Skittles Rainbow

Our Skittles Rainbow Experiment is a fun twist on a classic science experiment. Why taste the rainbow when you can SEE the rainbow! Quick results make it super fun for kids to observe and try over and over again. Our Skittles Rainbow experiment is an awesome example of water density, and kids love this fascinating candy science project!

YOU WILL NEED:

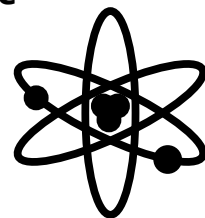
Skittles
Water
Shallow bowl or plate
(white works best)
cookie cutters

Step 1: Set out a bowl of skittles or you can let the kids sort them out themselves! Let your child have fun arranging them in a pattern around the edge of a plate alternating colors in any number they like- singles, doubles, triples, etc.

Step 2: Pop in a cookie cutter to the center of the plate. Before pouring in the water ask your child to form a hypothesis. What will happen to the candy when it is wet? This is a great time to work in a little deeper learning, you can find information to teach your child about the scientific method.

Step 3: Carefully pour water into the center of cookie cutter until it just covers the candy. Be careful not to shake or move the plate once you add the water or it will mess up the effect. Watch as the colors stretch and bleed out away from the Skittles, coloring the water. What happened? Did the Skittles colors mix?

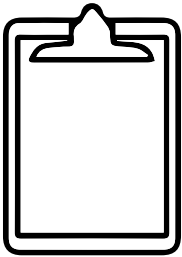
THE SCIENCE



This Skittles Rainbow experiment demonstrates a process called stratification. The simple definition is that stratification is the arrangement of something into groups. Water stratification is all about how water has different masses with different properties and this may create the barriers that you see among the colors of the candies.

Skittle Science Observations

Use this worksheet to process and evaluate your work.



RECORD

What happens to the skittles over time?

Could this skittles science experiment work with another type of candy?
Which types might work?

What would happen if you tried a different liquid and compared the results?

What happens when you add hot water to skittles?
