



## TRY THIS! - Science

### **RAINBOW IN A GLASS**

YOU WILL NEED:

- Tall glass
- Sugar
- Water
- Food coloring of your choice
- Syringe
- Tea spoon

#### Instructions

- Add food colouring to 100ml of water
- Mix four teaspoons of sugar with the coloured water
- Add the sugar and water mixture to a tall glass using a syringe or a tea spoon
- Repeat using three, two and one tea spoon of sugar

Have fun watching what happens!

### **WHY DOES IT WORK?**

This experiment takes advantage of density to create a rainbow in a glass. When you add sugar to a liquid, it causes the solution to become more dense. The more sugar you add, the more dense the solution is. If you have four different solutions that are all different colors and densities, the colors will layer on top of each other — the denser, more sugary solutions will sit on the bottom and the lightest will sit on the top.

