

VR Science Lab

Rainbow in a Glass - Watercolor Changing

Authors: Vid Stojanovic, Leon Ivicic, Filip Ciglencecki, Luka Luksic, Matija Kovacic, Dragos Irimia, Blaga Denis, Huma Alexandru

The goal is to learn why the colors of rainbow won't mix in the glass

In this experiment the water with the most sugar in it is the densest, so it sinks to the bottom of the fifth glass (Fifth is empty). The other water samples stay in next layers because of the density of their water, depending on how much sugar was added to them. The more sugar you add in the glass the density increases.

Process:

1. Add 2 tablespoons of sugar in the first glass and increase by 1 tablespoon to the following cup. (Your last cup must be empty)
2. Add 1/4 cup of warm water in each glass.
3. Add food coloring.
4. Mix all until the sugar in the glasses is dissolved.
5. Pour the color water with the most sugar first then less sugar as you to the next layer. Slowly pour (use the side of the glass to help)

Note your observations below.

The set consists of:

5 empty glasses
sugar
food coloring

AFTER YOU FINISH 1. You must make a lesson plan for it!

SCAN ME

