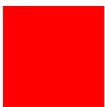
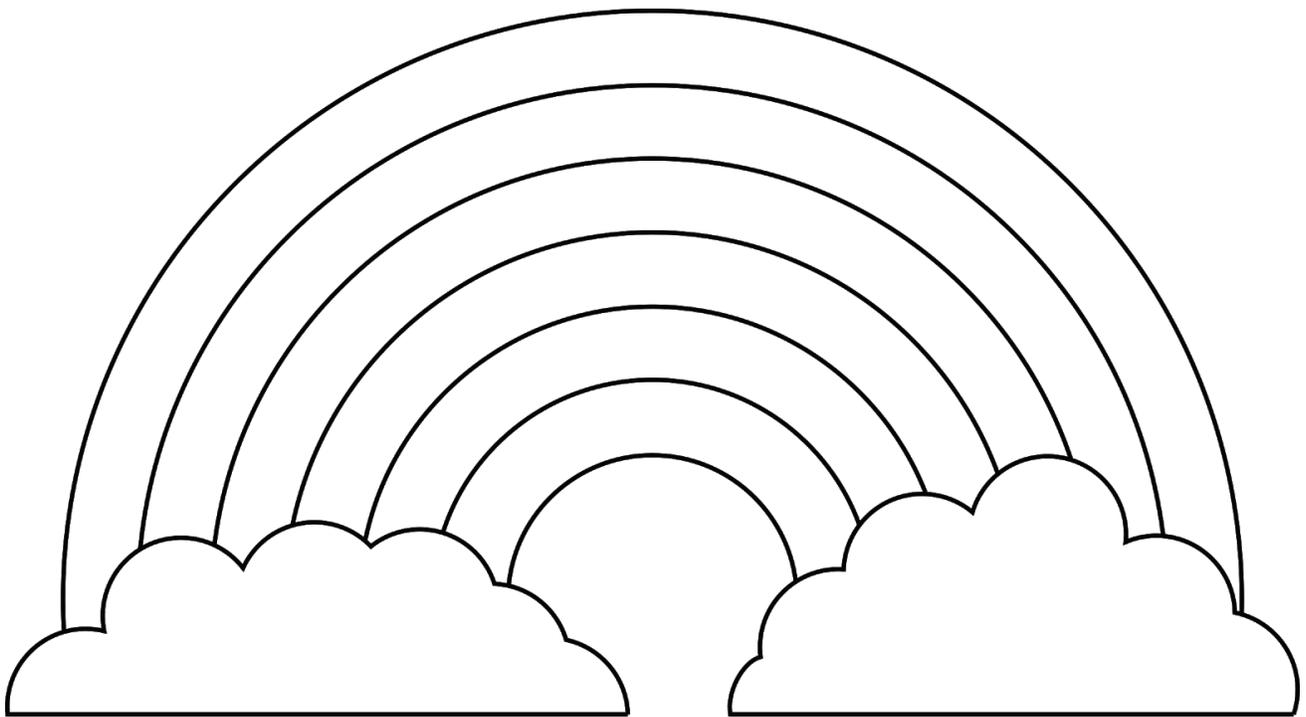


Rainbow In A Cup		Kindergarten Chemistry
Lesson Plan	Safety Notes	Food colouring will stain, use gloves and old clothes for this activity.
<p>Description</p> <p>In this lesson your students will learn that not all liquids are the same and even though corn syrup and oil look similar they are totally different. It is a fun and colourful activity that gets them thinking and engaged, who doesn't love making rainbows?</p>		
<p>Materials</p> <ul style="list-style-type: none"> ● Food colouring (minimum colours yellow, red, blue) ● 20 Tbsp of white caster sugar ● Tbsp measuring spoon ● ¼ measuring cup ● 5 clear cups ● 1 ¼ cup of water ● See through container/glass measuring cup ● Spoon 		
<p>Science Background</p> <p>Density is a measure of how compact the mass of an object is. The density of an object or substance can be calculated by dividing its mass by its volume. This means that some liquids are heavier or more compact than others.</p>		
<p>Activity Procedure</p> <ol style="list-style-type: none"> 1. Take your 5 separate cups and line them up. 2. Put ¼ cup of warm water in each cup (warm water works best). 3. Dye the water Red, Yellow, Green, Blue & Purple. If you don't have all those colours you can mix red and blue for purple. Blue and yellow for green. 4. Pour and stir until dissolved 2 tbsp of sugar in red, 3 tbsp of sugar in yellow, 4 tbsp of sugar in green, 5 tbsp of sugar in blue, and 6 tbsp of sugar purple. 5. In your glass measuring cup or see-through container pour the purple mixture in. 6. Putting a spoon on the inside of the container, slowly pour the blue mixture onto the spoon, hitting the spoon first will help the liquid lay on top of one another. 7. Follow with green, yellow, then red. We don't use orange because we find the red and yellow mixtures are closer in density so they mix slightly causing orange. 		
<p>Debrief</p> <p>Have students complete the associated worksheet and colour the rainbow as they made in the experiment.</p>		

Colouring Page

Can you put the colours of the rainbow in the right order? Start at the top and go all the way to the bottom.



Red



Orange



Yellow



Green



Blue



Purple

Answer key:

The colours from top to bottom are:

Red
Orange
Yellow
Green
Blue
Purple