



Color Change

(Remember always ask permission and clean up after you are done)

Materials Needed:

1 large clear bowl, tub

1 smaller clear bowl, tub, jar, glass

Pitcher

Water

Food coloring

Large old towel

Directions:



Fill a pitcher with water and use food coloring to turn it yellow.



Fill the smaller container about $\frac{3}{4}$ full of water and turn it blue.



Place the large bowl on the towel.



Set the smaller container in the middle of the large container.



Use the pitcher of yellow water to pour into the large container. Pour carefully. You do not want to mix the colors. Leave about 1 inch of blue water above the level of yellow water.



Look straight down into your containers of water. Do you notice any difference in color?



Now, look through the side of the container. Look through the large and small containers simultaneously. Do you notice any difference in color?



Are there other color combinations that you can think of that will work?

When you look through two colors at once, the colors “mix” together similar to how they would if you put two dots of different colors on top of one another.

Because we used two primary colors in this experiment (yellow and blue), when we looked through the bowl they “combined” to form a secondary color (green).