

Color Experiments



Science for
preschoolers



Ask your little scientist:

What do you think will happen?

What do you observe?

(Use as many senses as you can!)

What did happen?

Why?

Materials:

Food coloring

Several glasses

Water

Small spoons, popsicle sticks, or toothpicks

Bonus: yogurt or milk

Directions:

Add a few drops of each color to separate cups of water. Mix two colors at a time in a new cup. Observe what happens. Suggestion: red+yellow=orange, blue+yellow=green, red+blue=purple.

Mix more than two colors. Observe what happens.

Mix the colors in milk to see how the white, opaque liquid varies from the clear water.

Add a few drops of two colors to yogurt. Use the toothpick or popsicle stick to slowly swirl. Observe the color change taking place.

Mix any combination your child would like. Observe what happens.

Questions to ask:

What do you think will happen when the colors mix? What colors appeared when? Does the different medium change the combinations? What was different about the yogurt mix as compared to the water? Are these results consistent? Can we create different shades of the colors by adding more or less of one color?

What they are learning:

That colors can be mixed to make different ones. Primary versus secondary colors. What clear and opaque mean. What colors mix to form new colors.