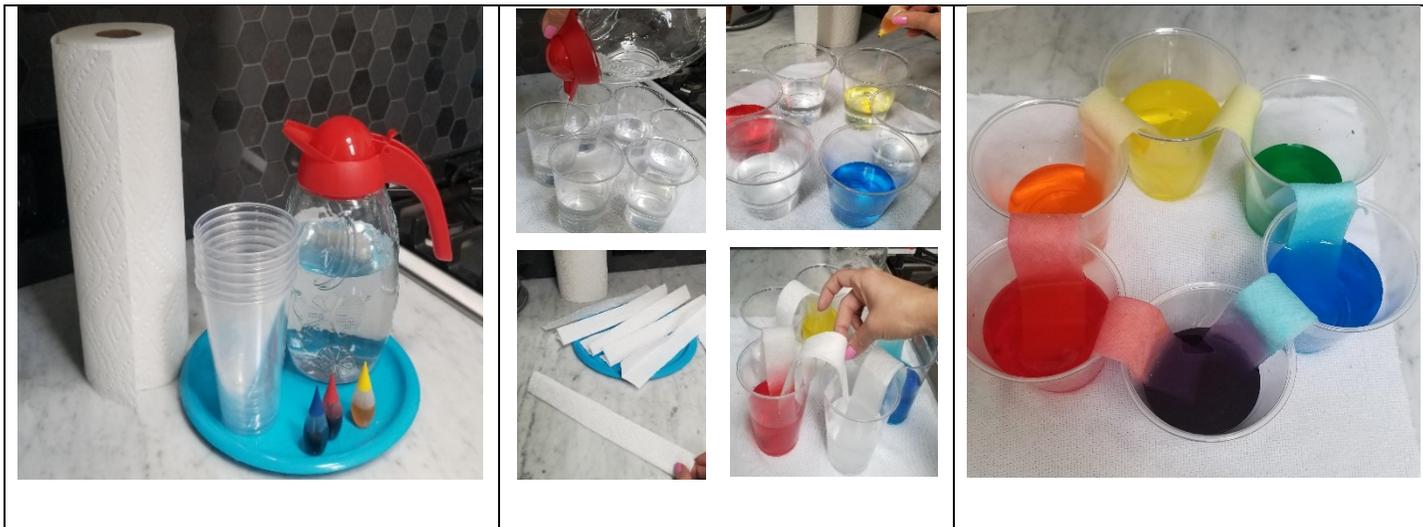


# Title: Travelling Rainbow Experiment

Age Group: Preschool

Submitted by: **Amie (Dane)**



Type of Activity: Science Experiment

**Materials:**

- 6 clear plastic cups
- Food coloring: I prefer to use red, blue, yellow. You can be creative and use any color
- Water
- 6 sheets of paper towel

## How to Do it:

- Arrange the cups to make a circle and pour water into all 6 cups: about halfway.
- Place 3-4 drops of food coloring into 3 cups, make sure to leave a water filled cup between each colored water cup. This will allow the colors to join into the water cup to create a new color.
- Fold 6 individual paper towel sheets in half, and then in half again.
- Place pieces of folded paper towel into the cups, bending over the lips of two cups, and submerging in water (see photo above) joining 2 cups. Continue this until all cups have paper towel (see photo above).
- Wait & Watch! Observe as the colors slowly crawl up the paper towel and mix to create a new color in the water cup.

**(You may have to wait a day to see clear colour change, so set this up somewhere it can stay for a while. The longer you wait, the more defined the colors will be)**

## Root Skill / Extension:

**Science: Cause and Effect / Observation; Language: Foster Communication Skills**

This activity encourages observation skills and explores a key science principle (Cause and Effect) when children watch witness the change in colours. Children can talk about what they see and predict what might happen next. Open-ended questions: "What do you think will happen when we put the paper in the colored water?" "What is happening the to paper?" "What color do you think red and blue will make?" etc.

Project approach:

After this is complete, you can dry the paper towel and create a 3D rainbow by taping the sheets together.