

# Lesson Plan:

## Discover the Capillary Effect

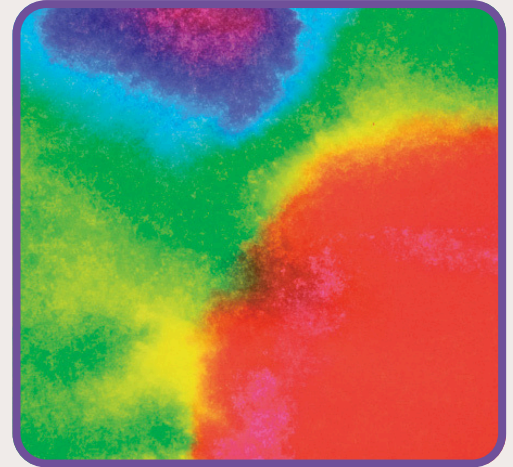
Ages: 4+

Duration: 30 - 45 minutes

Group size: 2 - 12

Have you ever watched colors magically spread across paper? Maybe you haven't met the right paper yet! This exciting process, called the Capillary Effect, happens when liquid moves through tiny spaces in paper fibers. Adhesion and Cohesion work together to make the colors "walk" across the page.

With Roylco Diffusing Paper, students can see science in action while creating beautiful art!



### Activity:

1. **Prepare the Paper**- Place a sheet of diffusing paper on a tray to catch any spills.
2. **Add Color** - Draw small dots, lines, or patterns using water-based markers or PlusWater Paint.
3. **Add Water** - Use a pipette or brush to lightly add water to each spot and watch the colors really spread!
4. **Observe and Discuss** - Ask Students:
  - a. "What happens when two colors meet?"
  - b. "Why does water travel across the paper?"
5. **Experiment!** - Encourage students to try different color combinations, shapes, or patterns to see how water moves differently depending on placement.

**Fun Fact:** This capillary action is the same thing that moves water from plant roots to leaves.

### Supplies Needed:

1. Roylco Diffusing Paper
2. Water-based markers or PlusWater Paint
3. Small cups of water and pipettes
4. Paper towels
5. Tray to hold the experiment

#### Darby's Tip:

Keep mess contained with Roylco's Fingerpaint No Mess Tray, but in a pinch, use a large cookie sheet.

