

# Create a Colorful Design



## WHAT YOU NEED:

- Coffee filter or paper towel
- Water
- Markers (washable)
- Tray (example: cookie sheet)

## WHAT'S HAPPENING?

**Color Mixing** – When two primary colors are mixed together, a new, secondary color is formed. Yellow and blue together make green, and yellow and red together make orange. Can you guess what color blue and red make when they are combined together?

**Solubility** – If something is soluble, it will dissolve in a liquid. The ink used in washable markers dissolves in water. When you added drops of water to the designs on the paper, the ink should spread out and run along the fibers in the paper with the water.

## HOW TO:

1. Use markers to create a design or picture on a coffee filter or piece of paper towel. Try to cover the area as much as possible.
2. Place your coffee filter or paper towel on a tray in one layer.
3. Use your fingers to drip water on the coffee filter or paper towel and watch the colors spread.
4. Continue dripping water until the colors have mixed together.
5. Let it dry and then hang up your creation!
6. Try using a permanent marker along with the washable markers to test the difference.

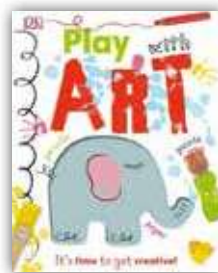
### Related Books:



*The Little Artists' Big Book of Activities*  
by Shannon Wong-Nizic



*Busy Little Hands: Art Play!* by Meredith Magee Donnelly



*Play with Art* by DK

## FUN FACT

Sir Isaac Newton developed the first color wheel when he expanded color theory in his 1704 work, *Opticks*. Here Newton says that the source of color was light and that white light, when passed through a prism, created a spectrum of colors ranging from red to violet.

