

# EXPLORING MELTING WITH COLORS

## Camp Fire At Home Activity

**TIME:** 15-20 minutes

### **MATERIALS:**

Colored paper

1 ice cube for each color of paper

A sunny day!

**KID FRIENDLY PURPOSE:** We are going to look at how different colors effect ice melting!

**BEFORE WE BEGIN:** Ask youth on which colored paper do they think the ice cube will melt first. Why?

### **Step By Step Guide**

1. Place colored paper outside in the sun
2. Place 1 ice cube on each paper
3. If hot our stay outside and observe the ice melting, if colder, come back and check in 10 minutes.
4. Note the differences in how fast the ice melts on each colored paper.

**SCIENCE BEHIND IT:** A black page will absorb the most light, which is converted into heat energy, causing the ice to melt faster. A white page will reflect the most light making the ice melt slowest. All other pages absorb all light except for one, which they reflect. The light reflected is the color we see them as.