

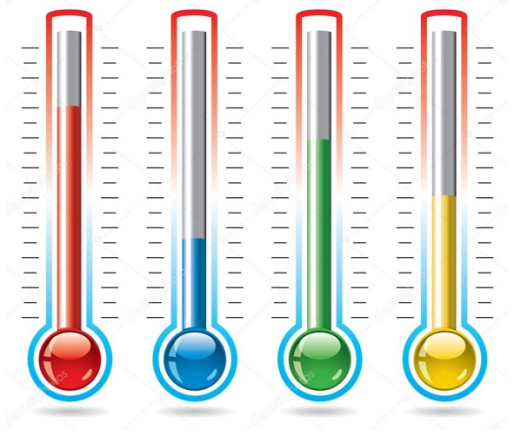
DOES COLOR AFFECT TEMPERATURE?

OBJECTIVE:

Students will conduct an experiment to investigate the relationship between color and heat absorption.

MATERIALS:

Heat lamp
Ring stand with ring and clamp attached
Paper sleeves made from Red, Black, White & Yellow construction paper (5cm x 15cm) strips
Digital Thermometer
Timer or stopwatch



PROCEDURE:

1. Put one of the colored paper sleeves on a thermometer and place under the heat lamp.
2. Plug in the Heat lamp
3. Record the temperature of the thermometer every 30 seconds for two minutes on your data sheet.

Repeat steps for the other 3 colored papers.

CLEAN UP:

Unplug the heat lamp. Take the sleeves off. Turn off the thermometers.