

**Focus Subject:** Science

## Overview

In this activity we will begin to learn about thermometers & temperature and apply it to how we physically feel temperature.

*We will learn:*

- We can measure temperature with a thermometer.
- How warm & cold feel and where it is measured on a thermometer.

### Required Materials

Basic classroom supplies.

Ice

Wash rag

Warm water from tap

Various thermometers for display (body temperature, indoor outdoor, meat, etc.)

### Supplemental Materials

The following materials are not required for this activity but are listed to provide additional materials to supplement this activity. Easily order supplemental materials for use with this activity at

[www.naturekidscurriculum.com/materials](http://www.naturekidscurriculum.com/materials)

#### Supplemental Materials - Description/ Title

**Temperature: Heating Up and Cooling Down (Amazing Science) (Paperback)**

## Instructions

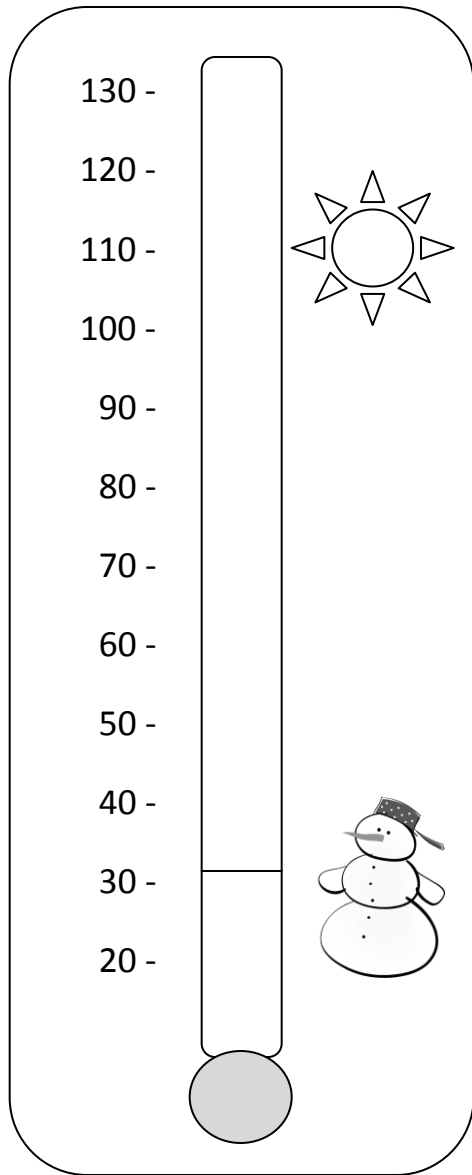
### What is temperature?

**Purpose:** (a) learn thermometers measure temperature, (b) learn how a thermometer shows us temperature, and (c) learn we can feel temperature.

1. **Show** the children the activity.
2. **Explain:**
  - Thermometers measure temperature
    - i. Our body temperature
    - ii. Outdoor & indoor temperature
    - iii. Food
    - iv. Discuss other things we measure temperature for & show the thermometers you have for display. Explain how they are used.
    - v. Encourage the children to participate in a discussion.
3. **Demonstrate:**
  - Allow the children to touch the ice. Tell them ice is water that is so cold it froze.
  - Show where the children should **color blue for ice** (32 degrees / left thermometer) on the activity.

- Allow the children to touch a rag wetted with warm water. Be sure to check the rag to make sure it is not too hot for the children to touch.
  - Where the children should **color yellow for warm rag** (100 degrees – right thermometer) on the activity.
  - The children can color the words too.
  - Go a step further if you like and measure the temperature of some ice and a bowl of warn water. Be sure to check the water to make sure it is not too hot for the children to touch.
4. **Assist** the children with coloring. Give encouraging feedback for their efforts.
  5. Use supplemental materials as you wish.

# What is temperature?



HOT

WARM

COLD

