

## *Checking the Temperature*

Explain to the children that they will be doing a long-term temperature data collection activity. The data could be collected daily or weekly

### Part 1 Reading a Thermometer

Provide opportunities for children to work with thermometers so they become comfortable, making sure they understand the scale used and the value of each hash mark. Allow children to use blank thermometers or graph paper to create their own thermometers using different scales. For example, they could use intervals of 2 for each mark, or they could show only the multiples of 10, counting by 2s, or show multiples of 5 counting by ones, etc.

### Part 2 Designing a Data Recording Tool

Have the children work in groups to design a data-recording sheet. After each group has shown their Data Collection Design, select one for class use. The following should be recorded:

Date and Time of Day

Temperature in Fahrenheit

Types of clothing being worn

Outdoor activities

### Part 3 Collecting the Data

Select a time of day and have the children take turns checking the temperature. Discuss why the same time of day is important for collecting the data. (control variability)

After several data points have been collected, have the students graph their results on a line graph and analyze it. Address trends, mode, median, range, etc. Ask them to develop ranges of temperature (benchmarks) they would classify as HOT WARM COOL AND COLD.