

MEASURE TEMPERATURE USING A THERMOMETER.

INVESTIGATIONS OVERVIEW PAGE

THIS PAGE IS A SUMMARY OF THE INVESTIGATIONS THAT STUDENTS MAY ENGAGE IN TO DEEPEN THEIR RELATIONAL UNDERSTANDING. INVESTIGATIONS WITH INSTRUCTIONS TO STUDENTS FOLLOW ON SUBSEQUENT PAGES.

- In pairs, children read and record temperatures on a thermometer in degrees Celsius. They compare temperatures, explaining that a higher temperature is hotter and a lower temperature is colder. *Reflection: How can we read and compare temperatures in degrees Celsius on a thermometer?*
- In pairs, children have a thermometer. They read the temperature in degrees Celsius at different times throughout the day. They explain that a higher temperature is hotter and a lower temperature is colder, and whether different temperatures in degrees Celsius are hot or cold. *Reflection: How can we read and compare temperatures in degrees Celsius on a thermometer?*
- Children draw a thermometer scale in degrees Celsius. They record hot temperatures in degrees Celsius. They record cold temperatures in degrees Celsius. *Reflection: How can we read and compare temperatures in degrees Celsius on a thermometer?*
- Children research Fahrenheit and Celsius thermometer scales. As an extension, children could investigate Kelvin. *Reflection: How can we read and compare temperatures in degrees Celsius on a thermometer?*
- Children investigate thermometers for testing body temperature. *Reflection: How can we read and compare temperatures in degrees Celsius on a thermometer?*

Measure Temperature using a Thermometer.

Have a thermometer with degrees in Celsius.

Read and record temperatures on the thermometer in degrees Celsius.

Compare temperatures.

Is a higher temperature, hotter or colder?

Is a lower temperature, hotter or colder?

Reflection: How can we read and compare temperatures in degrees Celsius on a thermometer?

Measure Temperature using a Thermometer.

Have a thermometer with degrees in Celsius.

Read and record temperatures on the thermometer in degrees Celsius at different times of the day.

Compare temperatures.

Is a higher temperature, hotter or colder?

Is a lower temperature, hotter or colder?

What temperatures in degrees Celsius are hot?

What temperatures in degrees Celsius are cold?

Reflection: How can we read and compare temperatures in degrees Celsius on a thermometer?

Measure Temperature using a Thermometer.

Draw a thermometer with degrees in Celsius.

Is a higher temperature, hotter or colder?

Is a lower temperature, hotter or colder?

What temperatures in degrees Celsius are hot?

What temperatures in degrees Celsius are cold?

Reflection: How can we read and compare temperatures in degrees Celsius on a thermometer?

Measure Temperature using a Thermometer.

Research Fahrenheit and Celsius thermometer scales.

EXTENSION:

Investigate Kelvin.

Reflection: How can we read and compare temperatures in degrees Celsius on a thermometer?

Measure Temperature using a Thermometer.

Investigate thermometers for testing body temperature

Reflection: How can we read and compare temperatures in degrees Celsius on a thermometer?