

Lesson Activities

Intended Learning Outcomes:

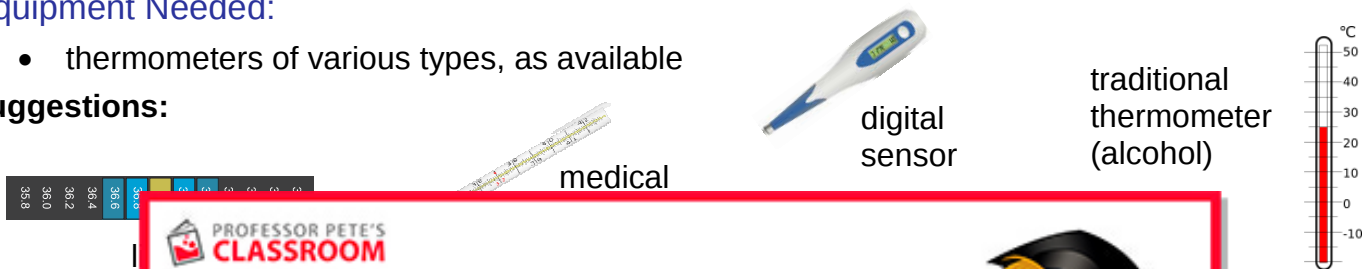
As a result of these activities, students will have:

- Carefully used instruments for measuring temperature, approximating results when necessary
- Recorded the results of measuring in appropriate detail and language
- Compared objects or locations by their temperature, based on previous measurements

Equipment Needed:

- thermometers of various types, as available

suggestions:




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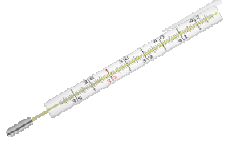
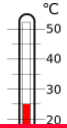





Measuring

Remind students

1. place
2. allow
3. for a
4. check the number of units between graduations on the scale
5. approximate the number of units if required
6. Show students a variety of temperature measurement devices, as available, and explain the differences and their common uses.
7. Discuss the need for accuracy in measuring, and that the level of accuracy will vary according to the overall temperature and the purpose of measuring. Compare levels of accuracy on different measuring instruments. Explain the general principle of measuring that every measurement is an approximation at some level.
8. Demonstrate how to record temperatures using degrees (also discuss °C or °F for the different scales commonly available).
9. Teach students to correctly round a measurement, according to the graduations on the measuring instrument. For example, a certain thermometer may only be able to measure to the nearest 5 degrees. Other instruments may measure to the nearest degree, or 0.5 degrees, for example.



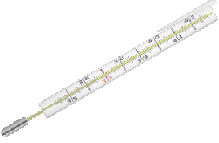
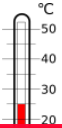




Write where these thermometers are likely to be used.

name of thermometer	usage
	
	
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ANSWERS

Write where these thermometers are likely to be used.

ANSWERS MAY VARY

name of thermometer	usage
	body temperature (mercury)
	room temperature (alcohol)
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	meat thermometer
	thermal imaging device (police, security, house or pest inspectors)