

# Science - Year 8 Heating & Cooling

## Pre-assessment

What do you know about how materials change when they are heated?

Comparing heat energy and temperature

Thermal expansion and contraction

## Peer assessment

How well can I use the particle model to explain why a material changes shape when its temperature changes?

Date \_\_\_\_\_

## Application and skills exam

Date: \_\_\_\_\_

Application:     /

Skills:            /

Gas pressure

## Teacher assessment

How well can I explain how a device which reduces heat loss works?

## Knowledge assessment 2

Date: \_\_\_\_\_

Score:     /

Infrared radiation

Convection and convection currents

Conduction and insulators

Date \_\_\_\_\_

## Self assessment

How well can I explain how a material changes using a temperature-time graph?

Changes of state

Heating and cooling curves

## Knowledge assessment 1

Date: \_\_\_\_\_

Score:     /