

Keywords: Autumn 2

Science

Topic Title: SP1 Heating and Cooling

Introduction to the topic:

How does energy move through objects? Why do some objects get hot but others don't?

What lessons will you cover during the topic:

Temperature, Conduction, Convection, Radiation, Evaporation, Insulation.

Keyword	Definition
Conduction	The transfer of heat through a material by transferring kinetic energy from one particle to another.
Convection	The transfer of heat energy through a moving liquid or gas.
Radiation	Energy carried by particles from a radioactive substance, or spreading out from a source.
Evaporation	When particles change state from a liquid to a gas.
Insulation	A material that helps to maintain temperature.
Kinetic Energy	Energy which an object possesses by being in motion.
Vacuum	A volume that contains no matter.
Conductor	A material which allows charge to move easily through it.