

P2.2: **Energy**

Lesson	Objectives Tracker Sheet	Date covered	I know this well	I need to do more work on this
2.1 Food and fuels	Compare the energy values of foods and fuels			
	Compare the energy in foods and fuels with the energy needed for different activities			
2.2 Energy adds up	Describe energy before and after a change			
	Explain what brings about changes in energy			
2.3 Energy and temperature	State the difference between energy and temperature			
	Describe what happens when you heat up solids, liquids, and gases			
	Explain what is meant by equilibrium			
2.4 Energy transfer: particles	Describe how energy is transferred by particles in conduction and convection			
	Describe how an insulator can reduce energy transfer			
2.5 Energy transfer: radiation	Describe some sources of infrared radiation			
	Explain how energy is transferred by radiation			
2.6 Energy resources	Describe the difference between a renewable and a non-renewable energy resource			
	Describe how electricity is generated by a power station			
2.7 Energy and power	Explain the difference between energy and power			
	Describe the link between power, fuel use, and the cost of using domestic appliances			
2.8 Work, energy, and machines	Calculate work done			
	Apply the conservation of energy to simple machines			

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