

Previous Knowledge	<i>Balanced diet</i>				
Lesson Number	Title	Lesson Objectives	Content	Key words	Assessment/Homework
1	Energy transfers and stores	How is energy stored and moved?	<ul style="list-style-type: none"> Describe the different ways in which energy is transferred Different ways in which energy is stored Recall the law of conservation of energy 	<ul style="list-style-type: none"> Chemical energy Thermal energy EPE GPE Nuclear energy 	
2	Energy from food	How do Our bodies use energy?	<ul style="list-style-type: none"> Recall that our bodies need energy, which we get from food Explain why different people need different amounts of energy from food Recall units for energy (J) (kJ) 	<ul style="list-style-type: none"> Energy Joule Balanced diet 	20 Mark Quiz (Exploring Science)
3	Fuels	Where do fuels come from?	<ul style="list-style-type: none"> Describe what fossil fuels are and how they are made Discuss why fossil fuels are non-renewable Discuss advantages and disadvantages of using fossil fuels 	<ul style="list-style-type: none"> Fossil fuel Oil Coal Gas 	

4	Other energy resources	What other energy resources are available?	<ul style="list-style-type: none"> • Discuss other forms of renewable energy sources • Discuss advantages and disadvantages of each 	<ul style="list-style-type: none"> • Solar power • Wind turbines • Nuclear • Geothermal • Hydroelectric 	Teacher Assessed 15 marks: Writing a comparison and justifying a conclusion
5	Using resources	Which energy resources should we use?	<ul style="list-style-type: none"> • Describe advantages and disadvantages of different energy resources • Describe some ways of using less fossil fuel • Explain what is meant by efficiency 	<ul style="list-style-type: none"> • efficiency 	
Revision and Assessment					
Where we will use these ideas again	KS4: Physics: Unit 1 - Energy:	4.1.2.1		4.1.1.1	4.1.3
	KS4: Chemistry: Unit 7 - Hydrocarbons	4.7.1.1			
	KS4: Biology Unit 1 - Cells	4.4.2.1			