

Natural Resources : Geography : Year 5/6

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To identify some of Britain's natural resources and explain how they are used.	Children will identify land as being an important natural resource in the UK. They will consider the many ways land is used, how it has changed and the factors limiting the ways in which it can be used. They will then express what they have learnt using labelled diagrams and descriptive writing.	<ul style="list-style-type: none"> Can children describe some natural resources and land uses in Britain? Can children explain what 'abundant' natural resources are? Can children discuss some problems associated with the use of natural resources which are not abundant? 	<ul style="list-style-type: none"> Slides Worksheet 1A/1B/1C/1D Blank Drawing/ Writing Frame
Lesson 2	To identify some ways in which natural resources are used to produce energy.	Children will explore how fossil fuels are produced and how they can be used to produce electricity. They will explore how this power is distributed across the UK via the National Grid. They can also consider some of the problems associated with burning coal and gas.	<ul style="list-style-type: none"> Do children understand that some natural resources are burned to produce electricity? Can children describe some problems associated with burning natural resources to produce electricity? Can children explain how, in simple terms, energy is produced, then distributed via the National Grid? 	<ul style="list-style-type: none"> Slides Task List 2A Europe Map 2A Gas Supplies 2A Gas Flow Chart 2A Producing Electricity Facts 2A Challenge Cards 2A/2B/2C Cue Cards 2A Blank writing/drawing frames Scrap materials, e.g. cardboard boxes, plastic packaging Books and/or internet access
Lesson 3	To identify clean and renewable natural resources used to produce electricity, and to discuss the pros and cons of their use.	Children will identify some alternative sources of energy production to coal and gas, including a range of clean, renewables such as wind, solar and hydroelectric. They will consider the pros and cons of their use.	<ul style="list-style-type: none"> Can children name some clean and renewable natural resources and describe how they are used to produce electricity? Do children know some advantages and disadvantages of renewable energy sources? Can children debate the pros and cons of renewables? 	<ul style="list-style-type: none"> Slides Renewable Resources 3A Worksheet 3A/3B/3C/3D
Lesson 4	To identify parts of the world where wood is produced, and consider some of the problems associated with its production.	Children will find out about some of the major wood-producing countries around the world and consider why Britain imports so many wood products from other countries. They will explore different ways in which wood is used and investigate some of the problems associated with wood production.	<ul style="list-style-type: none"> Do children know of some major wood-producing countries? Can children describe some uses of wood and name some wood products? Can children give some reasons why some wood products are imported and exported? 	<ul style="list-style-type: none"> Slides Worksheet 4A
Lesson 5	To know where and how steel is produced.	Children will understand the process of how steel is produced. They will find out about uses of steel and how it is used and traded around the world.	<ul style="list-style-type: none"> Can children explain how iron ore is extracted to produce steel? Can children describe the process of steel production, from ore extraction to its final uses? Can children use a variety of methods to present their findings about the ways a natural resource is used and traded? 	<ul style="list-style-type: none"> Slides Worksheets 5A/5B/5C/5D Steel Resource Pack A/B (FSD? activity only) Atlases Natural Resources Quiz 5 Natural Resources Answers 5
Lesson 6	To know where and how glass and concrete are produced in Britain using natural resources.	Children will find out how glass and concrete is produced and identify the natural resources used in their production. They will discover the meaning of 'abundant' resources. They will consider the benefits and drawbacks of exploiting natural resources.	<ul style="list-style-type: none"> Do children know the principal natural resources used in the production of glass and concrete? Do children understand that these natural resources are found in abundance around the world? Can children explain some of the benefits and drawbacks of exploiting natural resources? 	<ul style="list-style-type: none"> Slides Teacher's Notes 6A Glass Statistics 6A Coloured sand, glass/ plastic bottles Glass Questions 6A (FSD? activity only) Blank writing/drawing frames (FSD? activity only)
Lesson 7	To describe where a range of natural resources come from and how they are used.	Children will categorise some of the ways in which natural resources are used in the home. They will explain how different objects and materials came to be in their home, such as glass shower screens or wooden furniture, describing in detail where it is likely they came from and how they were produced. Children will create detailed notes about their learning, drawing on everything they have learnt.	<ul style="list-style-type: none"> Can children distinguish between uses of natural resources, e.g. food, energy, construction or manufacturing? Can children present their ideas about natural resources in an organised, meaningful way? Can children ask questions to extend their learning about natural resources? 	<ul style="list-style-type: none"> Slides Worksheets 7A/7B/7C/7D Self-assessment 7A