

Subject	Year	Term
Science	9	1 or 2
Topic		
C10 Using Resources		
Content (Intent)		
<p><b>Prior Learning (Topic)</b> Y1: Everyday materials, Y2: Uses of Everyday materials Y8: 8C2 Chemical reactions and the Earth, Y9: C9 Chemistry of the atmosphere, C7 Organic Chemistry,</p>		
<p>Using the Earth's resources Sustainable development Reduce, reuse, recycle Alternative methods for extracting copper Life cycle assessments Potable water Required Practical: water analysis and purification Waste water treatment</p>		
<p><b>Future Learning (Topic)</b> A level Environmental Science (Y13) 3.3 Energy Resources, 3.4 Pollution, 3.6 Sustainability</p>		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p><u>Practical work</u> Required Practical to purify some water and analyse its composition.</p> <p><u>Written</u> Comprehension activity researching the variety of resources that come from the Earth. Data analysis on the use of resources Evaluating ways to improve sustainability (e.g. recycling) Evaluating products based on their life cycle assessment.</p>	<p>- 1 x standard homework (Written feedback. Response expected.) -1 x end of topic test (Level given. Verbal feedback to class and individuals.)</p>	
How can parents help at home?		
<p>Look at the topic specific resources on the VLE Use appropriate youtube channels: cognito, primrosekitten, khan academy, freesciencelessons. Take an interest! Ask your children what they have learnt and be curious about their learning.</p>		
Helpful further reading/discussion		
Reading	Vocabulary Lists	Careers Links

<p>Sustainability: What Everyone Needs to Know<sup>®</sup> - What Everyone Needs to Know (Paperback) Paul B. Thompson (author), Patricia E. Norris (author)</p> <p>No One Is Too Small to Make a Difference (Paperback) Greta Thunberg (author)</p>	<p>Finite resource Renewable resource Sustainability Recycling Phytomining Bioleaching Life Cycle Assessment Potable Water Distillation Desalination Sterilisation</p>	<p>Environmental Scientist Chemical Engineer Ecotourism guide</p>
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