



# Challenges of Resource Management

How does this unit link to prior learning?			
<b>Year 8</b> Africa (Resource Curse)	<b>Year 8</b> Globalisation (Food Miles)	<b>Year 9</b> Living World (Sustainability)	<b>Year 10</b> PLUK (Water)

**What will you be learning about?**

In this unit you will discover how the UK organises and uses its three key resources: energy, food and water. You will explore how a surplus or deficit of resources impacts human life. You will then focus on food in more detail and explore how food is supplied as a global resource. You will discover the impacts of food insecurity and how we are attempting to increase food supply.

**Key Focus**

You will study how resources impact the development of a country, and explore the importance of having sufficient food, water and energy. You will explore two case studies showing sustainable food production on a large and local scale. Each lesson will start with knowledge retrieval, which will cover the knowledge, understanding and skills you have developed in previous lessons.

**We will develop our learning by studying the following sequence of lessons:**

<p><b>1. Resources</b></p> <p>You will look in to what resources are and explore global patterns of 3 key resources</p> <p><b>2. Energy in the UK</b></p> <p>You will discover how the energy mix of the UK has changed from the 1960's through to the 21st century.</p> <p><b>3. Water in the UK</b></p> <p>You will explore the areas of the UK that are in water stress and how water transfer schemes can support people and the economy in those areas.</p> <p><b>4. Interim Assessment</b></p> <p>You will be assessed on the content you have learnt so far and then close any gaps on misunderstandings.</p> <p><b>5. Global Food Supply</b></p> <p>You will then start to focus in more detail on your main resource; food. You will look at the demand and supply of food around the world.</p> <p><b>6. Food insecurity</b></p> <p>You will be able to explain the causes of food insecurity and the impacts on people when there are shortages of food.</p>	<p><b>7. Increasing Food Supply</b></p> <p>You will look at the techniques being put in place to try and increase food supply such as hydroponics and aeroponics.</p> <p><b>8. Case Study of Large Scale Increasing Food Supply (IBIS)</b></p> <p>You will look at the IBIS as an example of the effects of putting an irrigation system in place to improve food supply.</p> <p><b>9. Case Study of Sustainable Food Production</b></p> <p>Sticking with the theme of increasing food supply, you will look further in to how it is being done on a more sustainable level at a local scale.</p> <p><b>10. Food in the UK</b></p> <p>The final part of this module will see you look in to what we are trying to do in the UK to be more sustainable with our food.</p> <p><b>11. End of Topic Assessment</b></p> <p>You will be assessed on everything you have learnt through this module and some cumulative elements of the GCSE Course.</p>
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How will this unit help you in the future?

<b>Year 11</b>	<b>Live Beyond Lode Heath</b>
This unit will be assessed your Paper 2 exam in May. Your understanding of how resources links to development will be key when studying the final topic of Year 11 Changing Economic World.	This unit provides the foundation for further study of Resource Management at A-Level and degree level. An understanding of sustainable resource usage will be essential for future life due to increasing population pressure and limited availability of resources.

Key Vocabulary									
Resource	Food Miles	Carbon Footprint	Organic Produce	Agribusiness	Surplus	Deficit	Water Stress		
Energy Conservation	Renewable	Fracking	Food Security	Famine	Irrigation	Aeroponics	Hydroponics	Biotechnology	