

# Welcome to GCSE Geography



Where will it take us today?

1	G	3c
		3b
		3a
2	F	4c
		4b
		4a
3	E	5c
		5b
		5a
4	D	5c
		6b
		6a
5	C	7c
		7b
		7a
6	B	8c
		8b
		8a
7	A	EP
		EP
		EP
8	A*	EP
		EP
		EP
9	A*	EP
		EP

8.1. Will we run out of natural resources?	Scale
a. How has increasing demand for resources affected our planet?	<ul style="list-style-type: none"> <li>• Outline the factors leading to demand outstripping supply of food, energy and water.</li> <li>• Overview of how environments and ecosystems are used and modified by humans including: <ul style="list-style-type: none"> <li>◦ mechanisation of farming and commercial fishing to provide food</li> <li>◦ deforestation and mining to provide energy</li> <li>◦ reservoirs and water transfer schemes to provide water.</li> </ul> </li> </ul>
8.2. Can we feed nine billion people by 2050?	
a. What does it mean to be food secure?	<ul style="list-style-type: none"> <li>• Understand the term 'food security' and the human and physical factors which influence this.</li> <li>• How world patterns of access to food are illustrated, such as the world hunger index and average daily calorie consumption.</li> <li>• Investigate the differences between Malthusian and Boserupian theories about the relationship between population and food supply.</li> </ul>
b. How can countries ensure their food security?	<p><b>Case study</b> of attempts to achieve food security in <b>one</b> country to include:</p> <ul style="list-style-type: none"> <li>• Investigation of statistics relating to food consumption and availability over time.</li> <li>• The success of <b>one</b> attempt in helping achieve food security at a local scale such as food banks, urban gardens and allotments.</li> <li>• The effectiveness of <b>one</b> past and <b>one</b> present attempt to achieve food security at a national scale such as global food trade, GM crops, 'The Green Revolution' and food production methods.</li> </ul>
c. How sustainable are these strategies?	<p>Explore the environmental, economic and social sustainability of attempts to achieve food security, in relation to:</p> <ul style="list-style-type: none"> <li>• ethical consumerism, such as fairly traded goods and food waste</li> <li>• food production, such as organic methods and intensive farming</li> <li>• technological developments, such as GM crops and hydroponics</li> <li>• small scale 'bottom up' approaches, such as urban gardens and permaculture.</li> </ul>

# Topic 8: Resource Reliance

Supplies of food, energy and water are three of the most challenging issues the world faces. Significant numbers of people are resource poor, whilst others consume more than their fair share. This topic investigates emerging patterns, where demand is outstripping supply, before taking the issue of food security and considering the question 'can we feed nine billion people?' We will investigate what it means to be food secure, how countries try to achieve this and reflect upon the sustainability of strategies to increase food security.



**Today's Topic: Why demand is out-stripping supply?**

# Learning is successful when I ...

## **Know:**

- The four main reasons why resource demand is out-stripping supply[2]

## **Understand:**

- Why this situation has arisen [3-6]



## **Can (Skills):**

- Interpret a range of graphs and harvest statistics to present as evidence [1-4]
- Show awareness of the limitations of the data [5-7]

## Global population change

How has the World's population changed since 1800?

How 'evenly distributed' is this change?

Which TWO factors have contributed to this change and why?

Do these factors contribute equally to population change in different types of country? Explain your thinking.

Which of the three resource sets will global population change affect demand for?

## Economic development

How many 'types' of countries are there ?

Which two 'types' are likely to increase their resource demands?

Suggest three reasons why energy consumption is set to increase in these countries?

What will happen to water consumption and why?

What will happen to food consumption and why?




Would it help if we all became vegetarian? Explain your thinking!

## Finite and threatened supplies

1. List three reasons why sometimes food demand cannot be met.
2. How does meeting global demand for energy sometimes affect our ability to feed our people?
3. What is the link between increased meat consumption and our ability to grow enough food for people?
4. Should we also be worrying about meeting demand for water? Explain your thinking!



## Changing technology and employment

- ❖ The jobs that we do can be classified into 4 sectors – list them and add a definition [use the glossary]
- ❖ What has happened to job numbers in each sector? []
- ❖ How will this affect our demand for and consumption of energy? Why?

15  
mins

# Is technology the problem or the solution??

Over To You

You will be assigned a view point to 'argue the case.' This might **not** be your personal view-point but top geographers always present a balanced argument!

- ✓ Technology is the problem
- ✓ Technology is the solution

## Understand

That technology is playing a huge role in our consumption of resources

**Employability:** presenting balanced arguments based upon fact



come  
get it!



# Learning is successful now I ...

## **Know:**

- The four main reasons why resource demand is out-stripping supply[2]

## **Understand:**

- Why this situation has arisen [3-6]

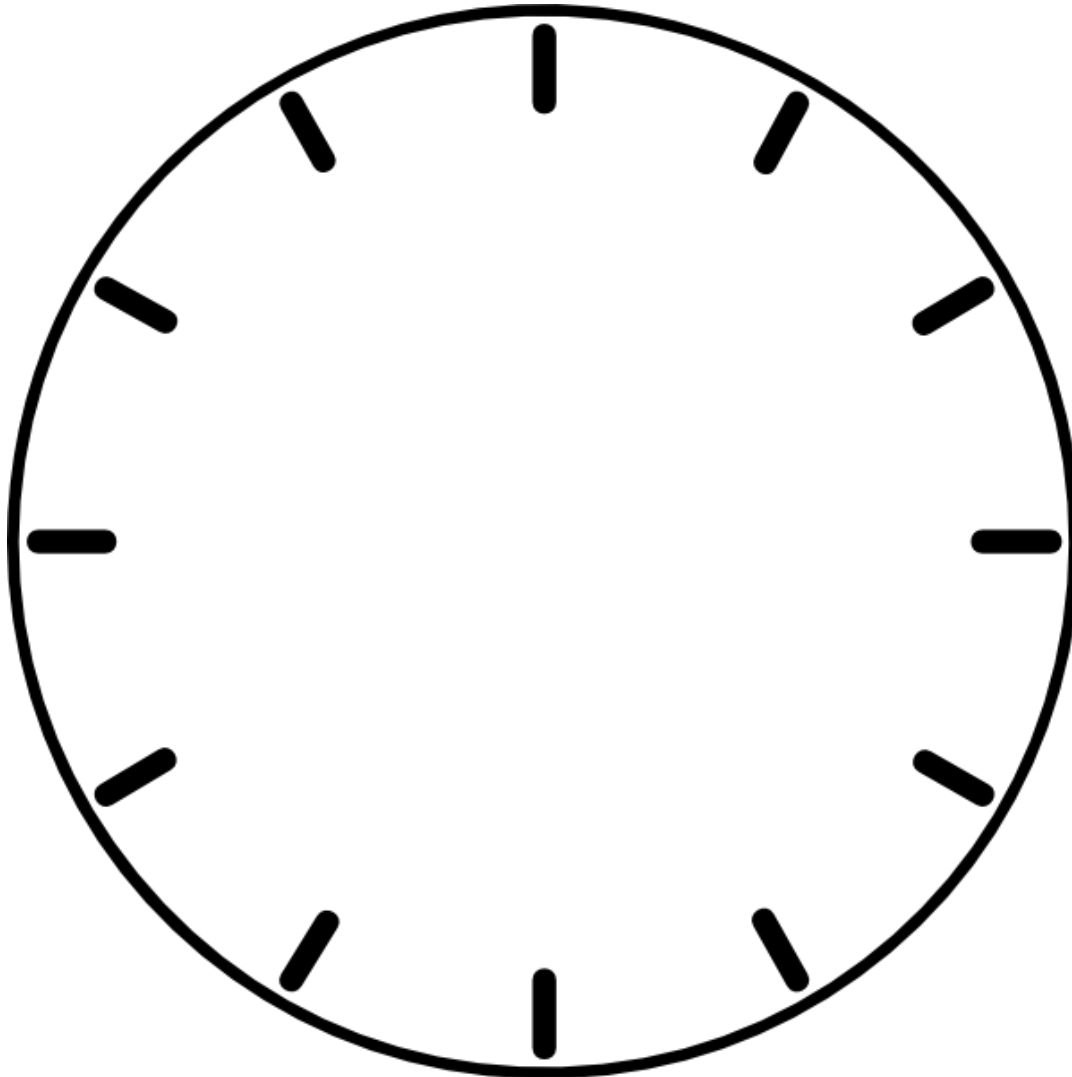
## **Can (Skills):**

- Interpret a range of graphs and harvest statistics to present as evidence [1-4]
- Show awareness of the limitations of the data [5-7]



# How did you 'progress' this session?

5 mins



Time to reflect  
....

