

**Welcome to  
Options Evening  
January 2023**

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**GCSE Geography  
at Morecambe  
Bay Academy**



# Staff

- Mrs Ashworth
- Mrs Gifford





The GCSE course we study is WJEC Eduqas (9-1) Geography B

**The course is divided into three components**

- **Theme 1: Changing Places – Changing Economies**
- **Theme 2: Changing Environments**
- **Theme 3 : Environmental Challenges**

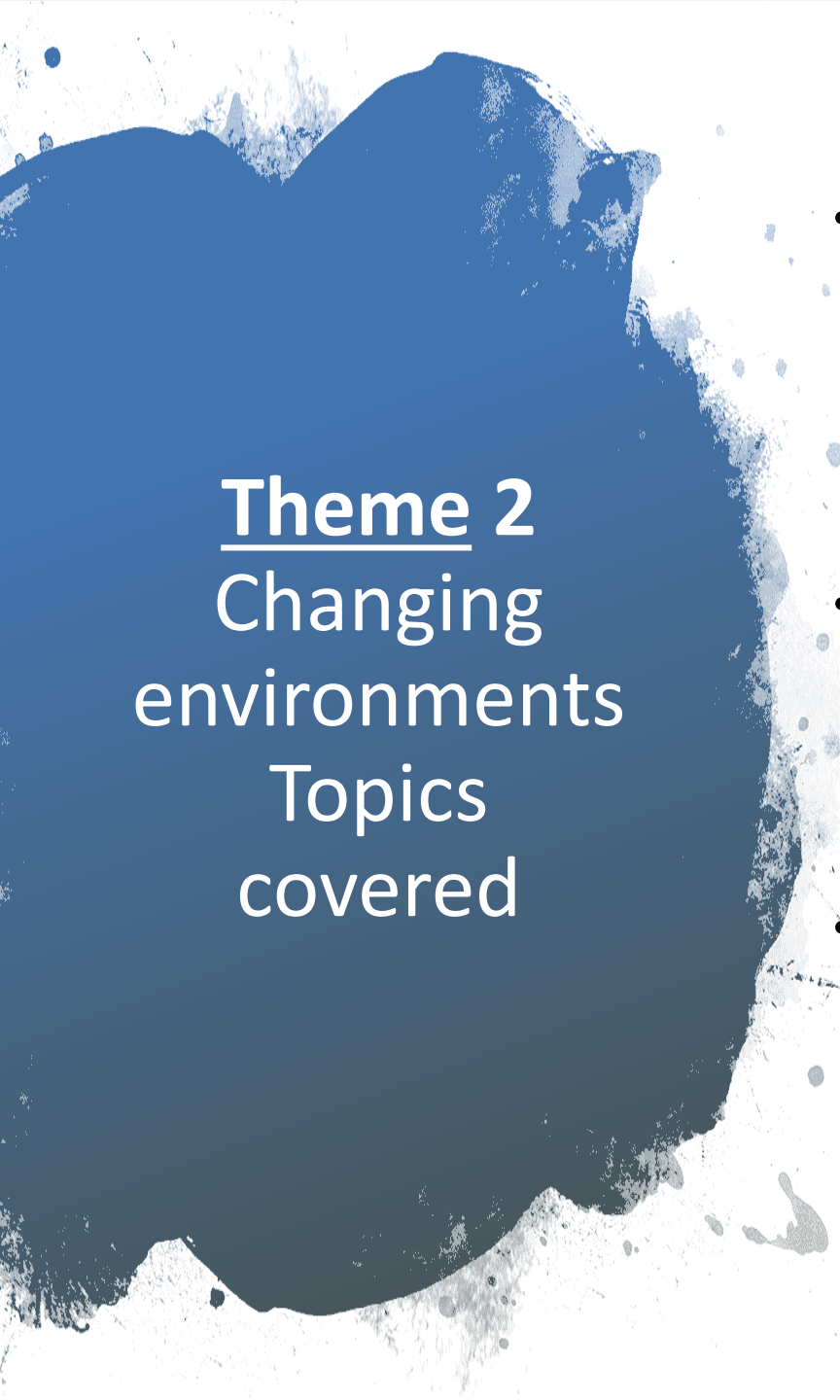
# The Course of Study

- The course encourages students to adopt an enquiry based approach in which we will endeavour to develop students interest in the world around us.
- We want to develop their knowledge & understanding of the contemporary world we live in!



**Theme 1**  
Changing  
Places –  
Changing  
Economies  
Topics  
covered:-

- ***Urbanisation*** in which investigate contrasting global cities; such as Mumbai India & Sydney Australia
- ***Urban & Rural processes & change in the UK.*** In the past we have been to Liverpool to look at an urban area & contrasted that to our own localities
- ***A Global perspective on Development issues.*** The foci here is how we can define levels of development. We look at groups of countries that have similar characteristics; such as Kenya, Mexico, India, USA & UK



## Theme 2 Changing environments Topics covered

- ***Shaping the landscape – coasts & coastal management.*** This study at a wider scale looks at the interaction of climate, geology and humans, how they influence coastal processes & landscape in the UK.
- ***Shaping the landscape – rivers & river management.*** This study at a wider scale looks at the interaction of climate, geology and humans, how they influence flows & stores of water
- ***Weather & Climate & Climate change.*** This unit includes characteristics of the UK climate & global climates, to include weather hazards at a global & local scale

# Theme 3

## Environmental Challenges

### Topics covered

- ***How ecosystems function;*** This focus is on the distribution of biomes at a global scale & looks at the interdependence of climate. Soils, vegetation, animals & humans
- ***Ecosystems under threat;*** this is very much linked to human activity, how we use, modify and change ecosystems & environments.
- We again look at contrasting environments, such as the savannah & Tundra.
- ***Water resources & management.*** This unit provides students with an overview of past & current global trends in water supply. 'Water footprints' & water 'security' which include the concept of over 'abstraction' – management.
- ***Desertification;*** we very much focus on the location & distribution of environments that are vulnerable to desertification. Again we investigate the extent of human activity in cause & prevention

# Fieldwork



- We believe this is a fantastic opportunity for our students.
- We do two fieldwork investigations in year 10. They investigate, patterns, processes & change.
- They collect data in order to test their hypothesis
- They use a variety of techniques & equipment.
- They analyse their results, evaluate their work presenting their findings in an appropriate way
- In the past we have been to Liverpool, Blencathra & down our promenade!





# Liverpool ONE



# Morecambe Prom

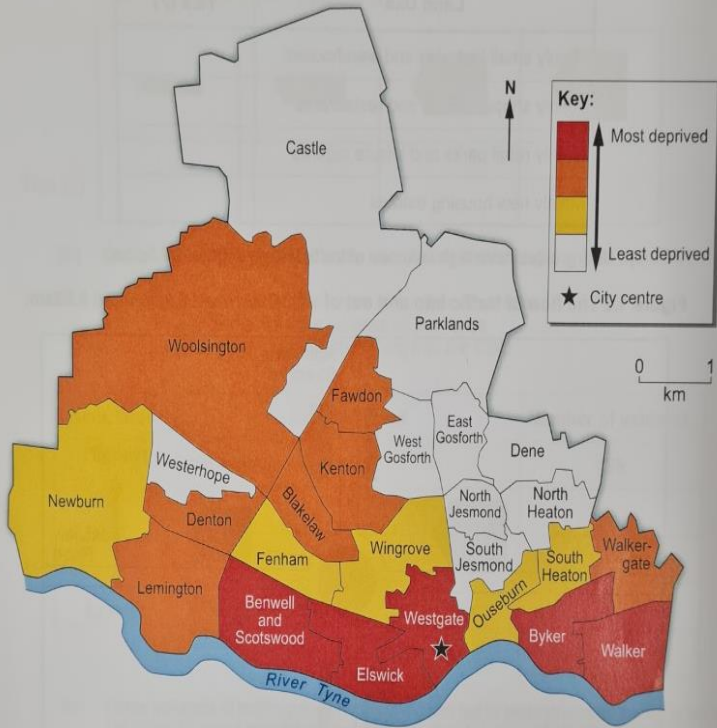


# Barcelona



(ii) Study Figure 1.1 below.

Figure 1.1 Levels of deprivation in the city of Newcastle-upon-Tyne, NE England



Describe the pattern of deprivation shown on this map.

[4]

(iv) The Needles are an example of the coastal landform 'stacks'. Describe how a stack is formed. You may draw diagrams in the space below to support your answer. [4]

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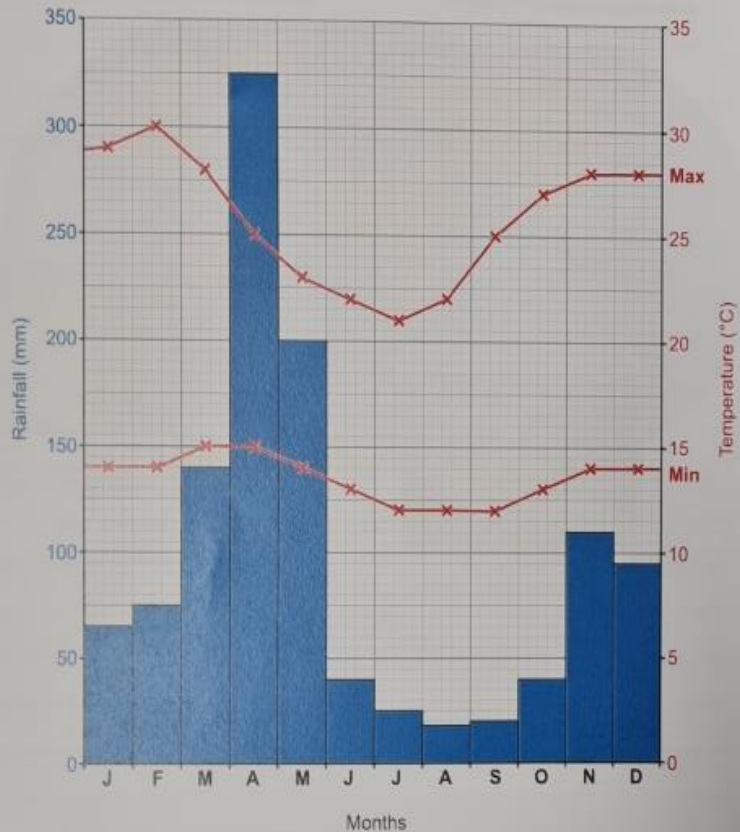
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Theme 3: Environmental Challenges

Answer all questions.

3. (a) Study Figure 3.1 which shows the climate of a hot semi-arid grassland area.

Figure 3.1 – Climate of an area of hot semi-arid grassland



- (i) Tick (✓) the two correct statements about the graph. [2]

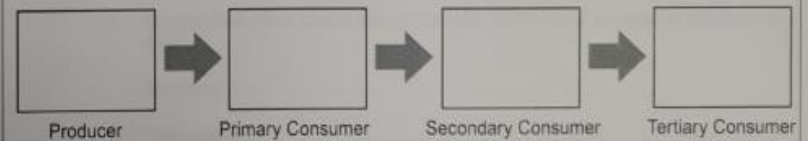
Statements	Tick (✓)
March is the wettest month	
June has the greatest range of temperature	
February is the hottest month	
The minimum temperature never drops below 20° C	
July and August have low rainfall and lower maximum temperatures	
There is more rain in November and December than there is in May and June.	

- (ii) Calculate the range of temperature in February. Show your working below. [2]

Range = ..... °C

- (iii) Complete the hot semi-arid grassland food chain below using the words in the box in the correct sequence. [4]

lion    grass    cheetah    zebra



### Part C

You are advised to spend about **25 minutes** on this part.

A charity wants to support migrants who have settled in the new Dagoretti slum on the edge of Nairobi.

The charity will continue to use a combination of the three small-scale projects outlined in **Part B**. However, with limited funds they need to phase (stagger) these projects over a nine-year period. The three projects are:



The charity needs to decide which project should be introduced in years 1-3; which should be introduced in years 4 - 6; which project should wait to be introduced until years 7 - 9.

Use the information in **Sections A and B** of this exam paper and the information in the Resource Folder to help you decide on the sequence that you would recommend to the charity.

Justify why you think this sequence would work well over the nine-year period. [12]

Your ability to spell, punctuate and use grammar and specialist terminology accurately will be assessed in your answer. [4]

You may use the space above to help organise your ideas. Your report should start on the next page.

I think the **three** development projects for Dagoretti should be phased (staggered) this way:

In years 1 – 3: The ..... project

In years 4 – 6: The ..... project

In years 7 – 9: The ..... project

I think this is the best order over the whole nine-year period because:

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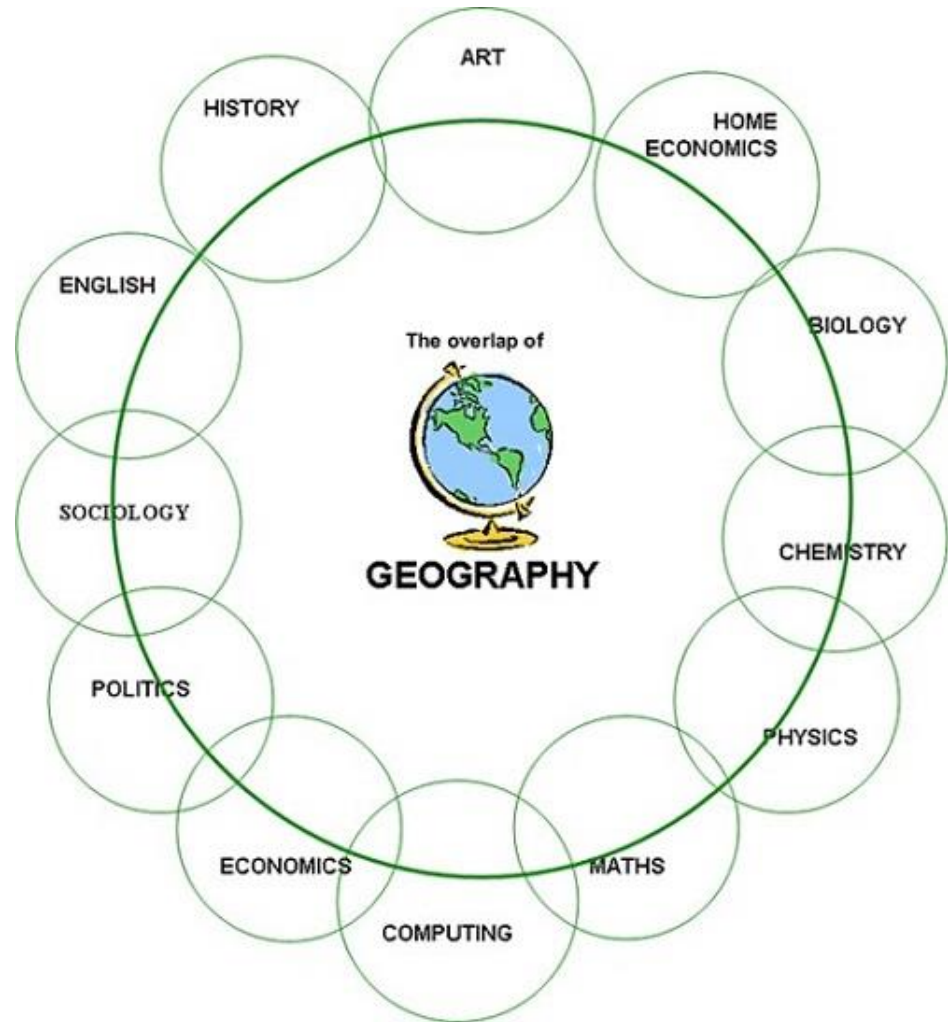


# Why choose Geography GCSE?

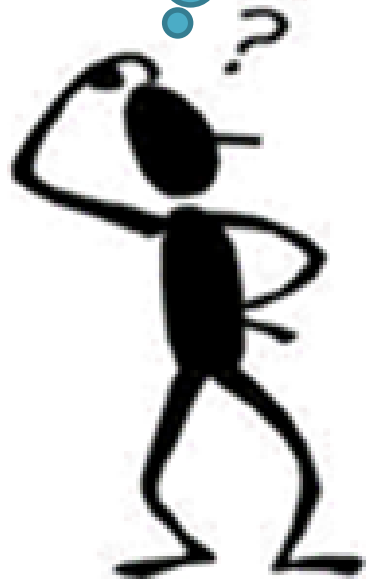
Geography can 'open' any number of doors for you and your future careers.

You can be anything you want if you put your mind to it!

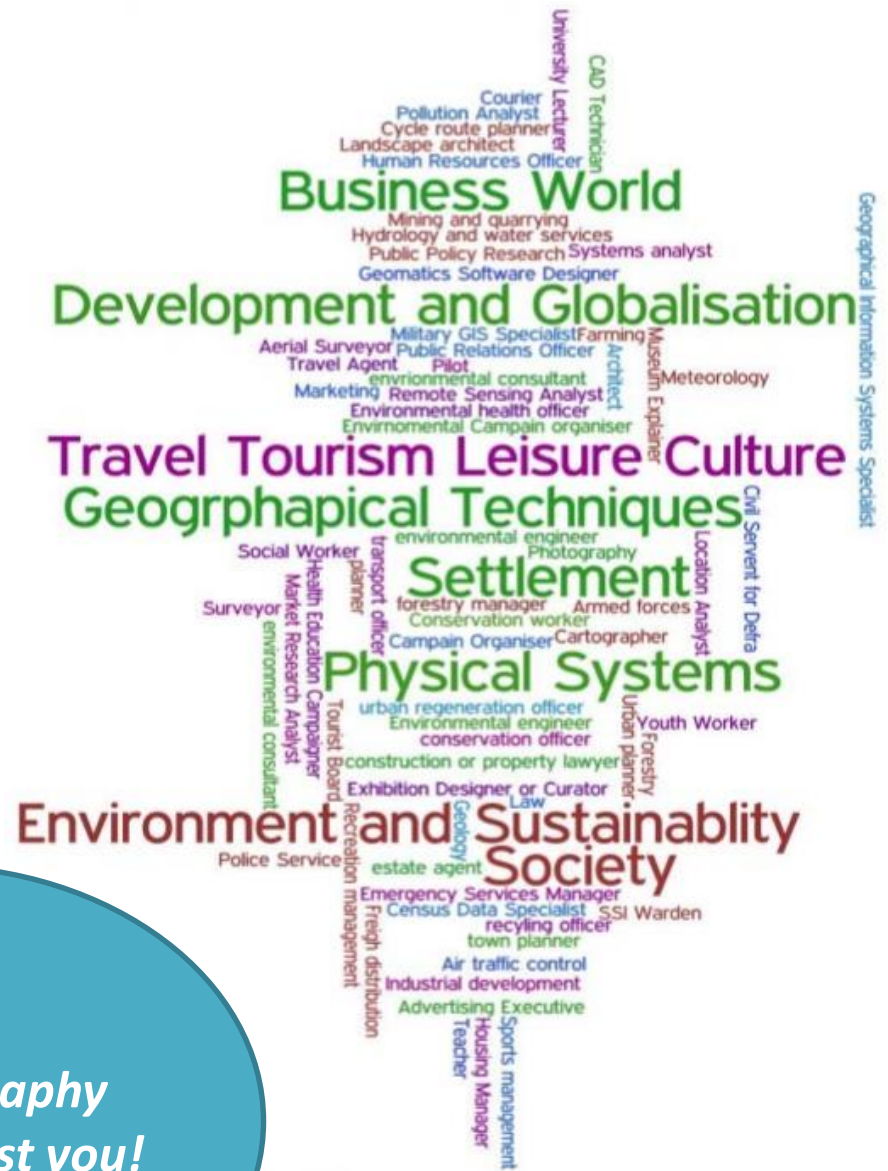
However having a GCSE in Geography will help with any number of different career choices....



*Am I interested in any of these jobs?*



*Then Geography should interest you!*



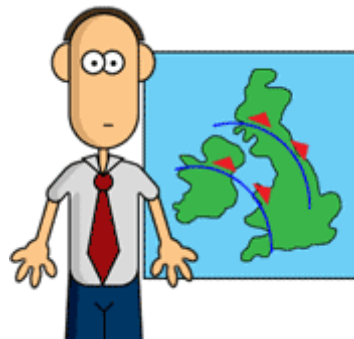




***“There is no question that the understanding and skill that come from a study of geography are highly valued by employers”***



Darrell Sheinman,  
Managing Director of  
Exploration Ltd.



**JOURNALIST**



Do you have any  
questions?