WELCOME TO GCSE GEOGRAPHY

WHERE WILL IT TAKE US TODAY?
<table>
<thead>
<tr>
<th></th>
<th>Grade 8</th>
<th>Grade 5</th>
<th>Grade 4</th>
<th>Grade 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knowledge &amp; understanding of geographical issues</td>
<td>relevant and comprehensive</td>
<td>Mostly accurate</td>
<td>Sometimes accurate sometimes not</td>
<td>Limited &amp; Basic</td>
</tr>
<tr>
<td>K&amp;U of interactions &amp; inter-relationships between people &amp; the environment</td>
<td>Perceptive understanding shown</td>
<td>Clear understanding</td>
<td>Some understanding</td>
<td>Basic</td>
</tr>
<tr>
<td>Arguments</td>
<td>Sustained &amp; convincing</td>
<td>Coherent</td>
<td>Sound, likely to be less structured</td>
<td>Makes straightforward comments</td>
</tr>
<tr>
<td>Conclusions</td>
<td>Logical &amp; well evidenced</td>
<td>Mostly logical &amp; supported by some evidence</td>
<td>Sometimes logical</td>
<td>Some reference to evidence is made</td>
</tr>
<tr>
<td>Geographical skills</td>
<td>Uses and evaluates a wide range</td>
<td>Use a good range; understand the purpose of</td>
<td>Uses a range; limited understanding of use</td>
<td>Uses basic skills with limited accuracy</td>
</tr>
</tbody>
</table>
TOPIC 7: UK IN THE 21ST CENTURY

7.1: HOW IS THE UK CHANGING IN THE 21ST CENTURY?

a) What does the UK look like in the 21st century?

15/01/2018
THE UNITED KINGDOM

In your opinion, what 'identifies' the UK and makes it distinctive?

You should try to include both human & physical geographies?

Stuck? sport, employment, fashion, population, housing, landscapes, culture, vehicles!
What are the human & physical characteristics of the UK? What did you come up with?
LEARNING IS SUCCESSFUL WHEN I …

Know:
• The pattern of relief of the UK [2]
• How this can influence human activities [2+] including which parts of the UK are water stressed
• What relief rainfall is [3-4]

Understand:
• the link between relief of the land, the UK’s geographical location and patterns of precipitation [4-5]
• How the future might influence our ability to cope with water stress [4-6]

NB: Levels stop at [6] as this reflects the level of difficulty of questions that would be asked on this aspect of this topic on a GCSE paper
PRESENT NEW INFORMATION

LOOK, LISTEN, LEARN
As crowded as we think?

**Over To You...**

FACT #1: Appx 65 million of us inhabit the UK.
FACT #2: The UK has one of the highest population densities in Europe.

1. Use an atlas or a planner to name the major cities on the satellite map opposite.
2. What does this map suggest about.....
   a) UK Population distribution?
   b) % urban land use of the UK?

Challenge: How many of these can you name without a map!!!
### Over To You...

1. Convert the table opposite to a graph
2. What could 'Other' include?
3. The UK has a housing shortage. Why might some people find this hard to understand, when looking at this land use data?
4. In reality, space isn't the issue, so what is? [p217]

### Land Use

<table>
<thead>
<tr>
<th>Land Use</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urban</td>
<td>12</td>
</tr>
<tr>
<td>Woodland</td>
<td>13</td>
</tr>
<tr>
<td>Arable farming</td>
<td>20</td>
</tr>
<tr>
<td>Grassland/grazing</td>
<td>44</td>
</tr>
<tr>
<td>Water (lakes and rivers)</td>
<td>1</td>
</tr>
<tr>
<td>Mountains* and moorland</td>
<td>7</td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
</tr>
</tbody>
</table>

*Describe the distribution of!
Underlying the human geography of the UK – its population distribution; the location of the cities and its land use ... is the physical Geography

1. Name three ‘highland’ areas in the UK
2. Describe the distribution of highland in the UK
3. Compare maps A and B then describe the correlation (relationship) that exists between these two
4. How does this compare with the location of our major cities? # Challenge!
Phew – what a relief ....!!

Mountains and rainfall – who knew? What’s happening there then?

Air sinks, air warms, clouds evaporate

Clouds get too heavy

Air forced to rise by mountains

Wind blows over the sea/ocean

Clouds form

Air picks up moisture as it passes over the surface of the sea

Air cools and condenses

Relief rain falls on the mountains.
There is a mis-match ....

1. Thinking only in terms of the 4 compass points, which two areas are:
   a) water secure
   b) water insecure

2. Consider Map 2. What is population density like in
   a) Water secure areas?
   b) Water insecure areas?

3. What could happen in the future to make this problem ...
   a) worse?
   b) better?

Understand:
that physical geography [climate] influences human activity in terms of water supply [4-5-6]
Comment on the relationship between annual rainfall and the relief of the UK. (4 marks)
Know:
What water stress is, why it happens and how we might reduce this issue [2-6]

1. Define water stress
2. Where is it worst?
3. Describe the main human cause of the stress and the main physical cause of the stress
4. Suggest ways that we might try to solve this problem

https://www.youtube.com/watch?v=URRByw9VKyQ
APPLY TO DEMONSTRATE
SHOW THAT I UNDERSTAND
What would an exam question look like?

Explain how population and rainfall maps of the UK can be used to predict areas of water stress [3 marks]

Steps to Success

1. Population maps tell us ...?
2. Rainfall maps tell us ...?
3. Comparing the two helps us to see?
HOMEWORK/CHALLENGE: DECISION MAKING...

Consider the three options below which would reduce water stress in SE England

Complete the 'SEE' advantages & disadvantages for the 3 options then rank the suggestions in order

<table>
<thead>
<tr>
<th>Option</th>
<th>Advantages</th>
<th>Disadvantages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transfer water from northwest to southeast</td>
<td>Soc</td>
<td>Soc</td>
</tr>
<tr>
<td></td>
<td>Ec</td>
<td>Ec</td>
</tr>
<tr>
<td></td>
<td>Env</td>
<td>Env</td>
</tr>
<tr>
<td>Construct new reservoirs in the southeast</td>
<td>Soc</td>
<td>Soc</td>
</tr>
<tr>
<td></td>
<td>Ec</td>
<td>Ec</td>
</tr>
<tr>
<td></td>
<td>Env</td>
<td>Env</td>
</tr>
<tr>
<td>Encourage people to conserve water by using less</td>
<td>Soc</td>
<td>Soc</td>
</tr>
<tr>
<td></td>
<td>Ec</td>
<td>Ec</td>
</tr>
<tr>
<td></td>
<td>Env</td>
<td>Env</td>
</tr>
</tbody>
</table>
REVIEW

WHAT HAVE I LEARNT?
1) This ‘s’ means to have enough of
2) This ‘r’ refers to rainfall received in mountainous areas......
3) This a/c for 44% of the UK’s land use
4) These two areas have plenty of rainfall
5) Mountain range directly N of Manchester
6) This ‘c’ is what people need to do to reduce water consumption
7) The UK has a ‘H-S’
LEARNING IS SUCCESSFUL NOW I ...

Know:

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Understand:

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