

# Preparing for P1 – Our Natural World

22/5/18 pm



## GH

1. Climate Circulation
2. Types of rainfall
3. El Nino & La Nina
4. Types of Volcano & Earthquake
5. Plate Boundaries

## CC

1. Human and natural causes
2. Impacts – Social, economic & environmental
3. UK vs Global impacts

## DL

1. Glaciation + landforms
2. Geology of the UK
3. Weathering
4. Geomorphological processes (E, D, T)
5. Landforms of coasts and rivers
6. Coastal management

## SE (Polar and TRF)

1. Adaptations of plants and animals
2. Food chains
3. Nutrient cycling
4. Soils

## Fieldwork

Data presentation, collection, processing.

Don't confuse 'tables' with DP.

"How has it helped your understanding of.. "

## Also:

- Numeracy – range, averages
  - **Don't forget the Case Studies!!**
  - RTQ
  - Flipped questions
  - BUG
  - Take your time
  - The unanswerable question (there aren't any)
- + *Eat/sleep/prep repeat – it's a long day!*

## UF

- Types of cities (inc metacities) & function
- **Internal growth/external growth**
- **Growth of slums**
- Suburbanisation, counter-urbanisation, re-urbanisation, regeneration, gentrification
- Inequalities/ways of life & sustainability of AC & EDC cities

## UK C21

- **Housing shortage + reasons**
- Water stress
- DTM, pop pyramids & analysis/reasons
- Impact of an ageing population inc responses
- **Changing employment sectors & patterns**
- Recession & recovery - **economic hubs & growth corridors**, London + **planning for the future**
- UK and links with international associations esp **EU**
- **Imports & exports**

## DD

- Defining, measuring & indicators of development
- Scattergraphs & **correlation**
- Obstacles to development
- **Millenium Development Goals**
- Benefits & probs of TNCS
- Types of aid + B↑/T↓
- **Debt relief**

# P2 – People & Society

5/6/18 pm

## RR

- **Link between World popln increase, development & resources**
- Subsistence vs commercial farming & fishing
- Fossil fuels, pollution and **water shortages (impact of dams)**
- **Definition of food security** + physical & human factors
- Global Hunger Index/Global Food security index + choropleth maps
- **Food security in the UK** – reasons + solutions
- Two visions
- **Fairer trade & food waste**
- Intensive/factory farming + **agribusinesses**
- Organic, **GM foods**, urban gardens, **permaculture**

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# Water, water everywhere...?



70%

The Earth is approximately 70% water, so it should be easily accessible for everyone, right?

It's more complicated than that

3%

Just 3% of the water on Earth is fresh.

-1%

And less than 1% of that is available for human consumption – the rest is either frozen or too deep below the Earth's surface to be reached.

1 in 4



1 in 4 of the world's 500 largest cities is in a situation of 'water stress' (when the demand for water exceeds the available amount, or poor quality restricts its use).

The World Bank defines 'water scarcity' as when the local population of a specified area have access to less than 1,000 cubic metres of fresh water per person per year.

-1000m<sup>3</sup>



2018



Over 1 billion people lack access to water



2.7 billion find it scarce for at least one month of the year.

2030



It's anticipated that global demand for fresh water will exceed supply by 40% by 2030.



Cape Town could be the first major city in the modern era to run out of water.

## Why is this happening?



### Climate change

As temperatures rise, water evaporates from the reservoirs and soil

Some areas are also experiencing reduced levels of rainfall and even droughts



### Human actions

Groundwater is over pumped at a faster rate than nature can replenish

Increased agriculture can also cause stress on an area's water supply

Overconsumption by the local population can also be a cause

Pollution can mean that the water supply that is available becomes unsuitable for human consumption



### Population growth

In some cities, populations are expanding at a much faster rate than the current infrastructure can sustain

More people generally means more pollution, potentially poisoning the existing water supply