

## **Year 8 Revision**

**You will have one 50 minute exam that will cover the following topics.**

### **Weather**

- What the weather is and how can it be measured.
- How to interpret weather maps.
- Why it rains and what the different causes of rain are.
- What clouds are and that we have different names for the different types.
- What air pressure is and that different air pressure brings different weather.
- What air masses are.
- What fronts are and the weather they bring.
- What causes storms and what effect they can have.
- How climate is different from weather
- How to draw and describe a climate graph.
- How Britain can be divided into different climatic regions.
- What factors influence climate.
- That climate varies across the globe.
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### **Global Warming**

- Understand what the effects of global warming are.
- Understand the difference between global warming and climate change.
- Understand what is causing global warming.
- Understand that people have different opinions as to the causes of global warming.
- Know what the main greenhouse gases are.
- Understand why we need to reduce CO<sub>2</sub> emissions.
- Understand what governments and scientists can do to reduce global warming.
- Understand what can be done to reduce global warming.

## **Coasts**

- That our coastline is shaped by both physical and human processes
- What causes waves and tides
- How the waves shape the coast and that weathering contributes
- That the action of the waves leads to characteristic coastal landforms
- That land use along the coast needs to be managed
- That erosion is causing serious problems along some parts of the coast
- That there are things we can do to prevent, or at least reduce coastal erosion
- That the current strategy is to defend the coast in a sustainable way.

## **Ecosystems**

- What an ecosystem is
- Where the 4 main ecosystems are and what their key characteristics are

### Tropical Rainforests

- Where are they located?
- How the plants adapted to living there
- How the nutrients are recycled
- How and why they are being destroyed
- What the consequences of their destruction is
- How they can be protected

### The Arctic Tundra

- Where it is located
- What the climate is like here
- How the plants and animals adapted to living there
- Who lives here and what their life is like
- How the lives of the people are changing
- How the area is under threat.

## **Energy**

Understand the problems of fossil fuels

Know about the alternative sources of energy in the UK

Understand the pros and cons of alternative sources of energy