

Geography: Upper Key Stage 2 Cycle B – Spring 1



Rivers

Knowledge

Where in the world are the following rivers: the Nile, the Amazon, the Yangtze, the Mississippi

What are the 10 longest rivers in the world and where are they in the world?

What is the water cycle and what are its stages?

What are the different stages of a river and their features (upper course, middle course, lower course)

How are rivers used as an energy source and how can these generate electricity? (Mersey Barrage)

What are floods? How do they occur? How do they affect people? (flooding in Northenden, Manchester compared to floods in Pakistan in 2022)

Skills

I can use digital maps to locate the following rivers: the Nile, the Amazon, the Yangtze, the Mississippi

I can locate and name the 10 longest rivers in the world

I can describe the stages of the water cycle

I can name and label the stages of a river and describe the features of each and explain erosion, transportation and deposition

I can explain the meaning of tidal energy using the Mersey Barrage project as a context and explain the choice of its location

I can explain what a flood is and compare the recent flooding in South Manchester (Northenden) with those of Pakistan in 2022

Vocabulary: the Nile, the Amazon, the Yangtze, the Mississippi, the water cycle, evaporation, condensation, precipitation, run off, upper course, middle course, lower course, erosion, deposition, tidal energy, Mersey Barrage, flooding, flood plain

Geography: Upper Key Stage 2 Cycle A – Spring 2



Climates

Knowledge

What is climate?

What are the six climate zones (Temperate, Tropical, Arid, Mountainous, Polar, Mediterranean) and in what zone is the UK?

What are some of the most extreme temperatures on Earth and where can they be found? (Death Valley, USA, Oymyakon Russia)

What different environmental disasters can occur in different climate zones? (tornados, hurricanes)

Where and how do earthquakes and tsunamis occur?

Why is the world getting warmer? (global warming) How can this be prevented?

Skills

I can describe the difference between the terms *weather* and *climate*.

I can locate and label the main climate zones on a world map and state their weather patterns.

I can compare temperatures between the hottest and coldest places on Earth and present this data using a line graph.

I can name the features of droughts and hurricanes and identify which climate zones they occur in.

I can explain how earthquakes and tsunamis occur and use an atlas to locate famous examples of these on a world map.

I can explain the causes of global warming and its negative effect on the environment and suggest ways global warming can be reduced.

Vocabulary: climate, weather, climate zones, Temperate, Tropical, Arid, Mountainous, Polar, Mediterranean, Death Valley, USA, Oymyakon Russia, tornado, hurricane, earthquake, tsunami, Richter scale, tectonic plates, plate boundary, shock wave, Pacific Rim, epicentre, magnitude, global warming, carbon footprint, greenhouse gases, climate change

Famous Geographer: Who is Sir David Attenborough? How has he raised awareness of climate change?

Geography: Upper Key Stage 2 Cycle A – Summer 2



My Local Area

Knowledge

What is an index in an atlas and how does this work?

What are the different labels on an ordnance survey map to show physical features?

What physical features can be found in my local area?

What are contour lines?

How do contour lines show altitude/gradient?

What is sea level?

What is the altitude of my local area? Is it high or low compared to sea level?

Skills

I can use an atlas index to find Manchester

I can recognise and label the symbols of physical features on an ordnance survey map (rivers, grasslands, forest, marsh, lakes)

I can label the physical features found on an ordnance survey map of Sale Water Park

I can read contour lines to tell me if the ground is high or low (undulating)

I can apply my knowledge of contour lines to my local area and make conclusions about the altitude/gradient (steep or low) using a digital map

Vocabulary: index, ordnance survey map, physical features, rivers, grasslands, forest, marsh, lakes, Sale Water Park, contour lines, gradient, altitude, sea level, undulating