

Geography KS3 Curriculum Overview

Coasts - looking at coastal processes and management techniques

Pupils will learn:

- **All about waves**
wave formation and longshore drift.
- **Weathering and Erosion**
weathering and erosion, building on the work carried out on waves.
- **Erosion and Landforms**
different types of coastal erosion and the processes involved.
- **The Emma Laker Mystery**
process of spit formation
- **Human Activities**
looking at the importance of coastlines to humans and how they are used for economic and recreational purposes.
- **How Can We Protect the Coasts?**
methods of coastal protection



Russia

Pupils will learn:

→ **Introduction to Russia**

introduce the country of Russia and create an awe and wonder to develop their geographical thinking and enquiry skills

→ **Climate of Russia**

describe the differences between the different regions/environments.

→ **Population of Russia**

the population distribution of Russia

→ **Rural vs Urban**

problems of living and working in rural Russia compared to urban Russia

→ **Russia and Conflict**

reasons for conflict between Russia and the Ukraine

→ **Russia in Our Lives**

how Russia plays a significant role in Global Energy Resources



The Weather and Climate

Pupils will learn:

→ **What is Weather?**

difference between weather and climate and how weather affects human activities

→ **Measuring the Weather**

how several weather instruments (Six's thermometer, rain gauge, anemometer, wind vane, barometer, and Campbell-Stokes sunshine recorder) are used to measure the weather

→ **All About Clouds**

how clouds are formed before examining the different types of clouds

→ **All About Rain**

how three types of rainfall are formed

→ **Under Pressure**

the impact of high and low pressure weather on human activities is investigated.

→ **Heatwave**

causes of heatwaves through anticyclonic weather systems and then focuses on the impacts of heatwaves.

→ **UK Air Masses**

what an air mass is and the typical weather it can bring to the UK.

→ **Storm**

learn about the impacts of the December 2013 storms in terms of damage caused by flooding and high winds.

learn about the role of the Environment Agency and how to prepare for a flood; causes and impacts of a storm surge.



→ **Climate Graphs**

draw and interpret a climate graph for London
compare climate graphs for different areas.

→ **World Climate Zones**

about the six main climate zones – polar, temperate, Mediterranean, arid, tropical and mountain.
about the distribution of each climate zone and the typical climate graphs for each area.

→ **The Climate of the UK**

variations in temperature and rainfall across the UK and the reasons for these patterns.

Polar Regions

Pupils will learn:

→ **Exploring the Polar Regions**

research the main characteristics of the Arctic and Antarctica in order to complete a research log.

→ **Supercool Svalbard!**

the polar climate and seasons, focusing on the Svalbard Islands.

→ **Polar Animal Adaptations**

how polar animals have adapted to live in this extreme environment

→ **Polar Vegetation**

how vegetation has adapted to survive in the extreme polar environment

→ **People of the Arctic**

how the Nenets, an indigenous tribe of the Siberian Arctic, are able to survive in the extreme polar environment