

# Year 9 Geography Overview

Unit	Duration (lessons)	Learning Objectives/Outcomes
<p>Changing Environments</p> <p>Shaping the landscape - rivers and river management</p>	25	<ul style="list-style-type: none"> <li>• To describe the processes involved in the hydrological and drainage basin cycles</li> <li>• To explore how the cycles may be affected by human activity through changes to vegetation and urbanisation</li> <li>• To understand a flood hydrograph and how climate creates seasonal variations in discharge</li> <li>• To explain the processes of erosion and transportation</li> <li>• To identify features of a river and explain the different formations</li> <li>• To explore how human activity can affect river landscapes</li> <li>• To investigate the physical and human causes of flooding</li> <li>• To assess the social, economic and environmental impacts of flooding</li> <li>• To analyse the different options for managing a river and the impact this will have on hydrographs</li> <li>• To evaluate the economic and social impacts of river management on locations downstream</li> <li>• To appreciate the range of opinions that different stakeholders have on drainage basin management</li> </ul>
<p>Changing Environments</p> <p>Shaping the landscape - coasts and coastal management</p>	17	<ul style="list-style-type: none"> <li>• To explore the ways in which climate, geology and human activity influence coastal processes and landscapes in the UK</li> <li>• To explain the processes of erosion and deposition and how they influence the coastline</li> <li>• To explain the process of transportation and longshore drift</li> <li>• To investigate how past human activity has modified the UK's coastal landscapes for economic benefit</li> <li>• To explore a range of hard and soft management options to reduce risk of coastal floods and erosion</li> <li>• To assess the costs and benefits of each management option</li> <li>• To consider the role of the government and local authorities in shaping shoreline management plans (SMPs)</li> <li>• To appreciate the conflicting views on coastal management and explain why this may lead to controversy</li> <li>• To examine the potential impacts of climate change on coastal communities in different countries at different</li> </ul>

		levels of economic development
<p>Changing Environments</p> <p>Weather and Climate</p>	18	<ul style="list-style-type: none"> <li>• To describe the characteristics of the UK climate including</li> <li>• regional variations</li> <li>• To explain the reasons for the variations of the UK climate looking at the influence of global atmospheric circulation, latitude, altitude, air pressure, and distance from the sea</li> <li>• To explore the different locations and distributions of distinctive climate zones across the globe</li> <li>• To analyse the features of the hot semi-arid climate and the equatorial climate</li> <li>• To explore the different areas of high and low pressure and the typical weather patterns and extreme weather hazards created</li> <li>• To analyse two contrasting extreme weather events considering causes, impacts and responses</li> </ul>
<p>Environmental Challenges</p> <p>Desertification</p>	9	<ul style="list-style-type: none"> <li>• To find out the location and global distribution of environments vulnerable to desertification.</li> <li>• To investigate how the location and global distribution pattern of environments vulnerable to desertification is changing over time.</li> <li>• To investigate the relationship of this distribution to the global circulation of the atmosphere and to the dominance of high pressure systems.</li> <li>• To analyse changing climatic patterns over periods of decades to include unreliable rainfall patterns and higher rates of evapotranspiration in hot semi-arid regions.</li> <li>• To analyse human activities to include unsustainable use of water resources, overgrazing, poor land management and use of firewood.</li> <li>• To analyse a range of strategies employed by NGOs working at a local level with communities, to include drip irrigation, magic stones and use of drought-tolerant crops.</li> <li>• To evaluate smaller scale processes related to changing patterns of vegetation, evapotranspiration and micro-climate.</li> <li>• To evaluate the different viewpoints, values and attitudes of stakeholders in the region.</li> <li>• To evaluate international strategies aimed at reducing the spread of areas experiencing desertification.</li> </ul>