



Topic Overview

Faculty/Subject: Geography

Year Group: GCSE

Topic: UK Physical Landscapes (Rivers and Coasts)



<p>What BIG IDEAS will you cover in this topic?</p> <p>Rivers and coasts are dynamic systems They are constantly shaped by erosion, transportation, and deposition processes. Landscapes develop distinctive features such as meanders, waterfalls, estuaries, cliffs, and beaches.</p> <p>Processes shape physical landscapes over time Understanding how water and waves interact with geology to form landforms. Long-term processes versus short-term events (e.g., floods, storm surges).</p> <p>Human activity interacts with physical landscapes Management strategies to reduce flooding and coastal erosion. Balancing protection of communities, infrastructure, and the environment.</p> <p>Physical landscapes are influenced by geology and climate Rock type, resistance, and structure determine erosion rates. Climate and rainfall patterns influence river flow and coastal processes.</p>	<p>What other <u>key concepts, knowledge and skills</u> will you learn in this topic?</p> <p>Knowledge:</p> <ul style="list-style-type: none"> • River processes: erosion, transportation, deposition • Coastal processes: erosion, transportation, deposition • Landforms of rivers: waterfalls, meanders, ox-bow lakes, floodplains, levees • Landforms of coasts: headlands, bays, caves, arches, stacks, beaches, spits • Flood and coastal management strategies (hard and soft engineering) <p>Skills:</p> <ul style="list-style-type: none"> • Interpreting OS maps, diagrams, and photographs of landscapes • Drawing and explaining processes and landforms • Evaluating the effectiveness of management strategies • Understanding cause-and-effect relationships in physical geography <p>Concepts:</p> <ul style="list-style-type: none"> • Systems (rivers and coasts as natural systems) • Change and interaction (how processes shape the landscape) • Sustainability in managing environments
<p>What important <u>prior knowledge</u> will you use from your prior learning?</p> <p>Students have covered the processes that occur within rivers and coasts during KS3. They have looked at some of the landforms too which we will study in greater detail during this topic.</p> <p>Where does this topic fit into the <u>curriculum plan</u> for this subject?</p> <p>This is the third topic which students will complete in year 10.</p>	<p>Assessment:</p> <p>How and when will you be assessed on this topic?</p> <p>What will the success criteria be?</p> <p>Students will be assessed through home learnings throughout the topic. Any exam questions completed will be marked and feedback will be given.</p> <p>Students will then be assessed with an end of topic assessment.</p> <p>They should have knowledge of the content covered in the lessons below.</p>
<p>What is the key <u>vocabulary</u> that you will need to know in this topic?</p> <p>Erosion Transportation Deposition Meander Waterfall Ox-bow Lake Floodplain Estuary Headland Bay Spit Hard Engineering</p>	<p>What is the structure of learning/ lessons in this topic?</p> <ol style="list-style-type: none"> 1. Coasts - waves, erosion and deposition 2. Longshore drift, weathering, mass movement 3. Geology, headlands and bays 4. Wave cut platforms, cave, arch stack, stump 5. Beaches and sand dunes 6. Spits and bars 7. Hard engineering 8. Soft engineering 9. Management in the UK 10. Rivers - long and cross profile 11. Erosion, transport and deposition 12. Interlocking spurs, waterfalls 13. Meanders and oxbow lakes 14. Floodplains and levees 15. Estuaries 16. Flood hydrographs 17. Hard engineering 18. Soft engineering 19. UK River and Flood management 20. Map skills - rivers and coasts