



Year 5 Unit 1 – How do rivers and seas influence where we live?



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National Curriculum Objectives	Declarative Knowledge	Procedural Knowledge
<p>Pupils should be taught to:</p> <p><u>Locational knowledge</u></p> <ul style="list-style-type: none"> Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities Name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time <p><u>Human and physical geography</u></p> <ul style="list-style-type: none"> Describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle <p><u>Geographical skills and field work</u></p> <ul style="list-style-type: none"> use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies 	<p><u>Lesson 1- Prior learning/locational knowledge</u></p> <p>Revise- Know that the world is made up of 7 continents and 7 seas and what they are</p> <p>Know the UKs place in the world</p> <p>Location of Italy, Egypt, Port Clarence/Stockton-on-Tees, volcanic activity, mountain regions</p> <p>Know the significance of rivers for people- Teesside, Cairo</p> <p>Know the longest rivers on each of the seven continents</p> <p><u>Lesson2- What is The Water Cycle?</u></p> <p>Know the water cycle</p> <p><u>Lesson 3/4- What are the physical characteristics of rivers?</u></p> <p><u>Outreach Teesmouth</u></p> <p>Know that rivers start at the source</p> <p>Know that the source of a river is usually in upland areas</p> <p>Know that rivers are divided into three sections (the upper course, the middle course and the lower course)</p> <p>Know that rivers are freshwater</p> <p>Know that a river is the path water takes as it flows downhill towards the ocean</p> <p>Know that in the upper course there are high levels of precipitation, steep slopes and little vegetation which makes water flow overland</p> <p>Know that the upper course river bed is narrow and rocky and the water is turbulent and fast-flowing</p> <p>Know that in the upper course the water has enough energy to transport boulders and rocks</p> <p>Know that rivers erode downwards carving the valley floor</p> <p>Know that waterfalls are a feature of the upper course</p> <p>Know that tributaries join together increasing the rivers width as it moves down hill</p> <p>Know that land becomes flatter in the middle course</p> <p>Know that the river becomes wider and deeper and begins to meander in the middle course</p> <p>Know that the shape of the river in the middle course is under constant change when it erodes, transports and deposits soil and other materials</p> <p>Know that the land is very flat, with gentle wide valleys in the lower course</p>	<p>To be able to use keys on OS maps to find out about what the place is like</p> <p>To be able to use 4 figure grid references to locate places and physical and human features on an OS map</p> <p>To be able to locate the highest points in the UK</p>



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	<p>Know that rivers are widest in the lower course</p> <p>Know that many rivers have estuaries and they are characterised by wide, flat land and a wide channel as the river flows out to sea</p> <p><u>Lesson 5-What are the advantages and disadvantages of living by rivers/seas?</u></p> <p>Know that lots of animals and people live near rivers and that river can be used for good things like sailing for trade and pleasure and farm land</p> <p>Know that rivers can be dangerous</p> <p>Know that rivers are constantly changing</p> <p>Know that rivers deposit large amount of material at the estuary</p> <p>Know that heavy rainfall or prolonged rainfall will cause the ground to become saturated, surface runoff will increase and tributaries will have a greater volume of water overtime this will cause flooding often in the middle course where land is flat</p> <p>Know that overbank flow is when the water spills over the top of the river bank and floods the flood plain</p> <p>Know that flooding can cause change the landscape temporarily or permanently</p> <p>Know that there are often house on flood plains because historically people wanted to live on the fertile soils for agriculture and close to the river for trade, now it is desirable for cheap housing and people like to live near water</p> <p><u>Lesson 6- Outcome lessons-How do rivers and seas influence where we live?</u></p>	
<p>Prior Learning</p>	<p>Key Questions</p>	<p>Future Learning</p>
<ul style="list-style-type: none"> • Different climates of the world- biomes KS1 • Location of places in the world- non-European (Egypt) • Location of geographical regions, rivers, mountains, volcanic • Compare and contrasting places using geographical knowledge of features • River Tees • River Nile 	<p>What is a river?</p> <p>Where are the longest rivers in the world?</p> <p>What is The Water Cycle?</p> <p>What are the three sections of a river?</p> <p>What are the advantages of living by a river?</p> <p>What are the disadvantages of living by a river or the sea?</p>	<p>In future years our children will:</p> <ul style="list-style-type: none"> • UKS2 world trade, fair trade, protected environments and resources • Conservation, climate change • World distribution of resources • Animal rights
<p>Vocabulary</p>	<p>Revisited Learning:</p>	



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course, source, precipitation, erosion, transportation, deposition, sediments, tributary, infiltrate, saturate		
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