

**Thematic Planning for Summer Term**  
**Rolling Rivers**  
**Year 4**

**Big Questions**

1. Can you describe the water cycle?
2. Can you describe the features of a river?
3. How have rivers been used by society over time?

**Values Question**

*In the Gospel of John (7:37-39), we are told that those who believe in God are Rivers of Living water. How do we carry this out in our everyday lives?*

**Knowledge**

- Know about the water cycle and explain its process
- Know where a river starts and ends
- Know the physical features of rivers
- Know how rivers fit into the water cycle.
- Understand how rivers shape the landscape
- Know how a river changes as it flows from source to mouth
- Know about coastal erosion and its effect
- Know and locate the main oceans and largest rivers.
- Know the main rivers in the UK
- Know why most cities are located by water
- Know about uses of water – transportation, farming, energy,
- Know about some climate issues regarding water – effect of flooding
- Know how a water turbine is used to generate energy – Newton’s Third Law of Motion
- Know how dirty water can be made useable - water filter

**Vocabulary**

Condensation, evaporation, precipitation, droplets, water vapour, confluence, tributary, estuary, erosion, coast, meander, source, channel, infiltration, transpiration, pollution

**Skills**

**Geography**

**Investigate places**

Use fieldwork to observe and record the human and physical features in the local area using a range of methods including sketch maps, plans and graphs and digital technologies. Name and locate geographical regions in the UK and identify their human and physical characteristics (mountains, rivers and key topographical features)

**Investigating Patterns**

Investigate land use patterns

Understand how some of the geographical features have changed over time.



	<p>Understand how some of the geographical features have changed over time</p> <p><b>Communicate Geographically</b> Use the 8 points of a compass, four figure grid references, symbols and key to communicate knowledge of the United Kingdom. Describe key aspects of physical geography (the water cycle).</p>
<b>Design Technology</b>	<p><b>Design</b> Design with purpose by identifying opportunities to design. Make products by working efficiently (such as by carefully selecting materials). Refine work and techniques as work progresses, continually evaluating the product design.</p> <p><b>Master practical skills</b> Use scientific knowledge of the transference of forces to choose appropriate mechanisms for a product (such as winding mechanisms). Choose suitable techniques to construct products or to repair items.</p>

