Year 6 Geography: Rivers and the Water Cycle		Autumn Term	
Is it possible to create more wate	er?	•	
Geographical Skills:		Fieldw	<b>/ork:</b> Visit from Northumbrian Water
<ul> <li>Suggest relevant questions and make decisions b</li> </ul>	ased on knowledge, understanding and facts.		
<ul> <li>Use precise geographical words, e.g. erosion, dep processes.</li> </ul>			
<ul> <li>Use atlases to find places using the index.</li> </ul>			
<ul> <li>Draw and annotate sketches to describe and explanation</li> </ul>	ain geographical processes and patterns		
• To select from appropriate visual media to record	evidence- e.g. photography.		
<ul> <li>Use latitude and longitude on atlas maps.</li> </ul>			
<ul> <li>To use decision making skills e.g. deciding what n</li> </ul>	neasures are needed to improve safety in the		
local street Prior Learning:			
My Country, My School; Beside the Seaside; My Local Earthquakes; Sustaining the World's Resources; Marv Curriculum Skill(s)			opean region; Rule Britannia; Mountains, Volcanoes an ca. Knowledge and Key Vocabulary
		-10	
<ul> <li>Locational Knowledge:</li> <li>To know the locations and environments of significant places both globally and locally- e.g. Continents, Oceans, longest rivers, deserts etc.</li> <li>To confidently locate places on a world map.</li> <li>Develop knowledge of the locations and environments of significant places- e.g. Continents, Oceans, longest rivers, deserts etc.</li> </ul>	<ul> <li>Where are the most significant rivers in the worl</li> <li>Recap prior learning – locate England and countries of the UK, continents and oceans world map/atlas/globe. Locate Whickham, N and London on a UK map. Locate capital ci UK on a UK map</li> <li>locate the key rivers of the UK and the worl</li> <li>use atlases to find places using the index</li> <li>compare the length of rivers</li> <li>compare the discharge of rivers</li> </ul>	other on a Newcastle ities of the	<ul> <li>Knowledge:</li> <li>Name and locate countries of the UK and their capital cities</li> <li>Name and locate seas and oceans that surround the British Isles</li> <li>Know the difference between the UK and the British Isles</li> <li>Name and locate the continents and know that we are part of Europe</li> <li>Name and locate the five major oceans</li> <li>Know that the UK is in the northern hemisphere and the difference between the northern and southern hemisphere as well as the significance of the equator and the tropics</li> <li>Locate Whickham, Newcastle, Gateshead and London on a UK map and know the county Whickham is in</li> <li>Locate the Tyne river and other significant rivers of the UK such as the Thames and the Severn</li> <li>know the longest river in the world is the Nile in Africa (4130 miles) and be able to locate it on a map and know the country and continent it is on</li> </ul>

<ul> <li>Place Knowledge:</li> <li>To recognise how places fit within a wider geographical context and are interdependent.</li> <li>To use atlases to find out about other features of places, e.g. mountain regions and weather patterns.</li> </ul>	Where are the sources and mouths of some of the key rivers of the United Kingdom? • identify the key features of a river system.	<ul> <li>know the smaller rivers and streams are called tributaries</li> <li>Vocabulary: England; Scotland; Ireland; Wales; Northern Ireland; UK; British Isles; London; Dublin; Belfast; Cardiff; Edinburgh; North Sea; Atlantic Ocean; English Channel; Irish sea; continent; Europe; Asia; Africa; North America; South America; Australasia/Oceania; Antarctica; Pacific ocean; Indian Ocean; Arctic Ocean, Southern Ocean; Northern hemisphere; Southern hemisphere; equator; Tropic of cancer; Tropic of Capricorn; Whickham; Newcastle; Gateshead, region; county; tributary; discharge.</li> <li>Knowledge:</li> <li>know where a river joins the sea is called its mouth</li> <li>know where a river begins is called the source</li> <li>identify the sea a river in UK flows into (Identify the North Sea, Irish Sea, English Channel and Atlantic Ocean)</li> <li>know that not all rivers flow into the sea, some join other rivers</li> </ul>
<ul> <li>Human and Physical Geography:</li> <li>To identify the different views that people, including themselves, hold about topical geographical issues- e.g. <i>building projects, deforestation.</i></li> <li>To explain why places are like they are- e.g. <i>in terms of weather conditions, local resources and historical development.</i></li> <li>To recognise how people can improve the environment or damage it, and how decisions about place and environment affect the future quality of people's life.</li> <li>To identify how and why places change, e.g. <i>through the closure of shops, buildings of new houses, conservation projects</i>) and how they change in the future (<i>e.g. through an increase in traffic, or influx of tourists.</i></li> </ul>	<ul> <li>What is the water cycle and how does it work?</li> <li>explain the water cycle</li> <li>look at the impacts of drought and floods and the causes of these</li> <li>look into the impact of wasting water and how we can conserve our water consumption</li> <li>What are the key features of a river and how are they formed?</li> <li>describe the key features of a river system</li> <li>recognise some physical processes of river erosion and how it causes changes in places and environment</li> <li>How do the processes of erosion and deposition form meanders and oxbow lakes?</li> </ul>	<ul> <li>Knowledge:</li> <li>know the water cycle is a continuous cycle; it has been happening since the start of time, and will continue</li> <li>explain that it is a closed cycle; there is no more or less water now than at the start</li> <li>know the water they drink from the tap could have been all around the world</li> <li>know why some areas of the UK and the world have floods and droughts</li> <li>know that wasting water can cause damage to the environment</li> <li>know that in some parts of the world, clean drinking water is not readily available and that some parts of the world have poor sewerage and sanitation systems</li> </ul>

<ul> <li>Recognise how and why people may seek to manage environments sustainability, and to identify opportunities for their own development.</li> <li>To have awareness of current global issues and the effect on the populations- e.g. <i>factory closures in Redcar, hurricane in Haiti, tsunami in Japan etc.</i></li> <li>To recognise some physical and human processes (e.g. <i>river erosion, a factory closure</i>) and how they cause changes in places and environments.</li> </ul>	<ul> <li>explain why places are like they are- e.g. in terms of weather conditions, local resources and historical development</li> <li>identify how and why places change and how they may change in the future</li> <li>How do humans use rivers and why are they so important?</li> <li>describe the ways rivers are used</li> <li>list some advantages and disadvantages for different uses of a river.</li> <li>identify possible future impacts of river use</li> <li>What is the impact of damming rivers?</li> <li>explain the impact of damming rivers</li> </ul>	<ul> <li>know that a river is divided into Upper, Middle and Lower Course</li> <li>know how the river flows at each part</li> <li>know that rivers do not travel in straight lines</li> <li>rivers cause erosion and deposit debris</li> <li><b>Vocabulary:</b> Water cycle, evaporation, precipitation, transpiration, run-off, condensation, precipitation, closed cycle, flood, drought, flood plain, climate change, water consumption and conservation, sewerage, sanitation, flood defences</li> <li>Upper course, middle course, lower course, valley, channel, waterfall, rapids, gorge, meander, tributary, confluence, flood plain, levee, delta, estuary</li> <li>Erosion, transportation, deposition, meander, oxbow lake, waterfall, overhang, load</li> <li>Leisure, industry, trade, transport, conservation, pollution</li> </ul>
<ul> <li>Using: maps, counts, photographs, graphs,</li> </ul>	<ul> <li>What is the impact of damming rivers?</li> <li>identify the different views that people, including</li> </ul>	<ul> <li>Knowledge:</li> <li>can give two reasons why dams are built</li> </ul>
measurements, films and reports	themselves, hold about topical geographical issues	<ul> <li>Can give advantages and disadvantages to</li> </ul>
Carrying out fieldwork	recognise how people can improve the environment	building dams
Researching secondary sources	or damage it, and how decisions about place and	
<ul> <li>Engaging with people, communities, views and opinions</li> </ul>	environment affect the future quality of people's life.	
Tackling issues and relevant events		Vocabulary:
Proposing outcomes and taking actions		Dam, reservoir, hydroelectric power, renewable energy, displacement of communities,
<ul> <li>Working at different scales of enquiry e.g. local, regional, global but in connected ways</li> </ul>		ecosystems, flooding
Thinking Deeper: Children could go on to role play a	debate about one particular example of river usage.	·
Links to other subjects:     Subject Specific links – Maths: reading co-ord		

<ul> <li>Personal Development – developing opinions about the use of damns; being mindful of own water consumption; developing empathy for those in different parts of the world where clean drinking water is not easily accessible; developing empathy for victims of floods and drought</li> </ul>
<ul> <li>SMSC – reflecting upon the ethics of creating damns; how wasting water can have a negative impact on the environment; how floods and drought affect communities and ecosystems</li> </ul>
Cultural Capital – to extend heir knowledge of where rivers are situated in the UK and the importance of rivers and ports for trade
Careers – water sport leisure industry, Northumbria water rolls, water treatment industry, conservationist
British Values – democracy and debating - knowing in England we are a democratic society; appreciating that we have clean drinking water readily available from
a tap
Equality – to respect that people have different view points regarding ethics of damns