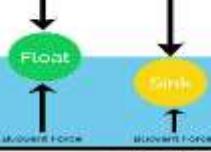


Key questions to answer			
What is a river and what does it do? How can maps help us understand the journey of a river? What is Porter Brook like? Where does it flow to? Why is water such a precious commodity around the world? Is global pollution of water really a problem? Why do boats not sink?			
Core knowledge to know and use	Words you need to remember and use in your learning		
Geography Rivers have carved out much of the landscape around us. They start their journey at the <i>source</i> high up in the mountains or hills and finish at the river's <i>mouth</i> as it flows into the sea. There are many features of a river: from the upper course full of tumbling waterfalls and small tributaries, the middle course where the river begins to gather pace and meandering bends wind their way peacefully through the countryside to the lower course, where the river spreads out into the estuary meeting the tides of the sea at its mouth.		Journey	A trip from one place to another.
		Feature(s)	Definition 1: A part or quality of something such as the different parts of a river. Definition 2: A part of the face such as the eyes, nose or mouth. Definition 3: The main film in a cinema.
Geography Field trip The Porter Brook rises on the moors above Sheffield and flows 10km easterly into the heart of the city. Its valley forms a natural green corridor leading from the open moors of the Peak District to the terraced housing and congested roads around Hunters Bar.		Investigate	To look into carefully and closely so as to learn the facts and examine.
		Calculate Calculation	Definition 1: To determine estimate. Definition 2: To find out an answer mathematically.
Geography/ Citizenship Being a 'Local to Global Citizen ' means we need to understand how the commodity of water is used and consumed by people both here in Sheffield. It also means we need to do <i>our bit</i> to prevent pollution and provide clean fresh water for all living things who do not have it around the world.		Citizen Citizenship	A person who is a member of a country, either because of being born there or being declared a member by law.
		Commodity	Something that can be bought or sold.
Design and Technology There are many types of boats in the world, from basic raft made from logs and tied together with rope, to enormous transport vessels shipping goods around the world. What all these crafts have in common is their ability to float and stay upright as the buoyant force pushes up against the boat and the weight of the object pushes down.		Buoyant Buoyancy	Able to float or keep something else floating.
		Force Forces	Power, energy or physical strength.

Y6 Summer 2

Project: Water, Water Everywhere – Local to Global

Journey



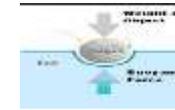
Calculate



Citizen



Forces



Project Stimulus

The aim of this project is for the children to develop their understanding of water and how important it is to us all.

We start our 'water' journey by learning about the different parts of a river and how they help shape the rivers of Great Britain.

We will look at the features of a river first hand and carry out field work in the Porter Valley.

Our project will then look at the Global importance of water – does pollution really matter?

The children will finish their project by designing and making their own boats from recycled material, which are buoyant and stable.

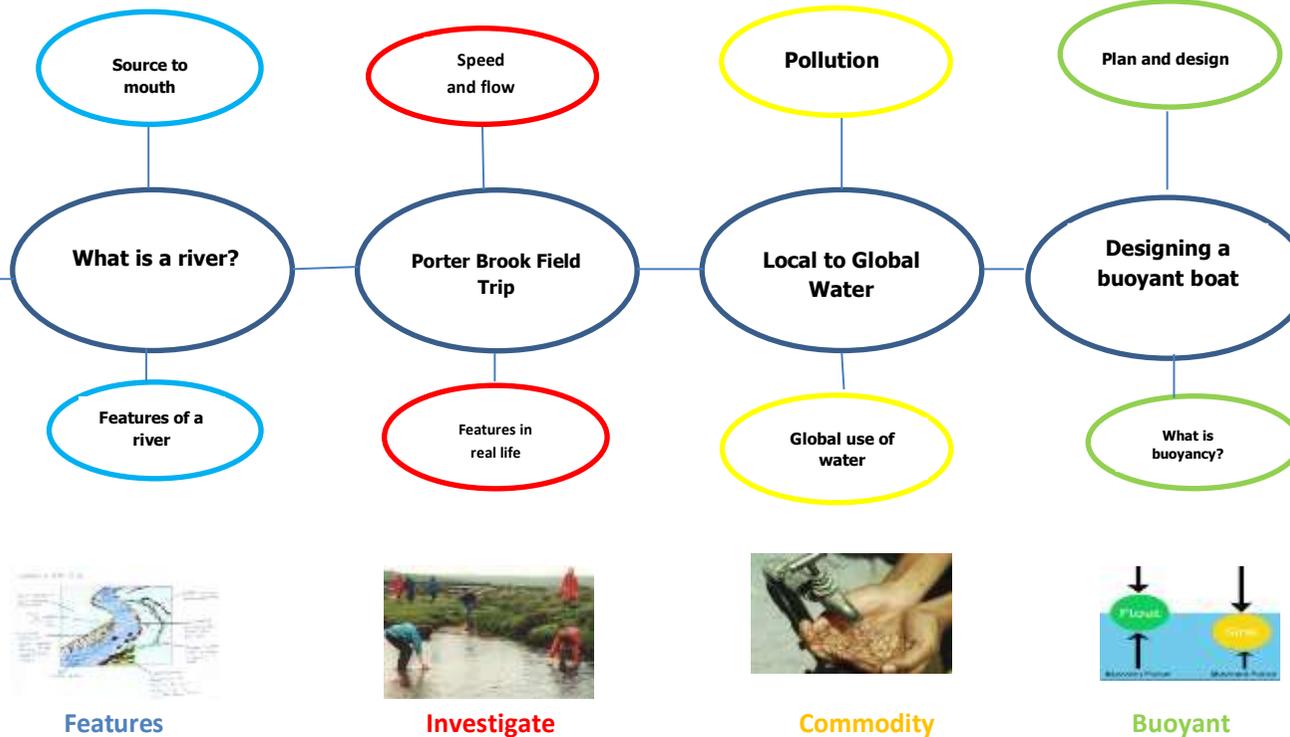
Project Outcome

The final outcome for this project will be: the children will have had the opportunity to learn about river features and apply this knowledge first hand.

They will use their maths skills to produce their own scaled maps, analyse data and present it in tables and graphs.

They will produce a short film, which focuses on water at a global level.

They will plan, design and make a boat which is both buoyant and takes design features from those they have already analysed.



Driver 1 - Citizenship

As caring citizens, it is essential that our children understand that conservation and protection of our natural resources is essential for them and future generations. Through this project we will develop the children's knowledge and understanding of why they need to see water as a precious commodity and how preserving what we have and looking after it will support everyone not just locally, but also globally.

Driver 2 - Aspiration

As geographers we want our children to aspire to understand the world around them and to know that nothing can ever be taken for granted. By studying rivers and how they are formed the children will build on their knowledge of how the water cycle provides a constant supply of water to our rivers and we hope that with the learning they gain they will aspire to keep our rivers and the water around them clean for everyone and everything that needs it.

Core Curriculum Learning

Reading

In our guided reading sessions, we are focussing on our retrieval and summarising skills as well as explaining what words mean and the effect they have on the reader. We learn new vocabulary every week by finding definitions in a dictionary and then aim to apply these new words in our writing.

Writing

Using the story of 'The Giant's Necklace' by Michael Morpurgo we will write character and setting descriptions, developing our imaginative vocabulary. We will think carefully about our word choices and the impact they have on the reader. We will also write newspaper reports and diary entries based on 'The Giant's Necklace' and other short stories written by Michael Morpurgo.

Spellings

Spellings will be given out every two weeks and the children will be tested on a two-week cycle.

Maths

This half term we are focussing on revising the place value of numbers up to 10,000, how to round to the nearest 10, 100 and 1000 and formal methods for addition and subtraction. We will then learn the formal calculations methods for multiplying and dividing. All children need to know their tables up to 12 x 12 to support their learning in year 6.

What else are we learning in school?

Learning at Home this Term

If you would like to continue your learning at home - you could do one or some of the following based on our project work:

- Create your own model river with labels and diagrams to describe its features.
- Find out about the rivers in your local area – can you present this information in an interesting and creative way – this could include your own scale map of the rivers, explanations and facts about them, diagrams, drawings, data, graphs.
- Find out about different artists who were inspired by rivers and water – could you have a go at painting and drawing in their style?

Trips and visits overview – 2019 - 2020

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
			Practice SATs Week Mon 9 th – Thur 14 th March 2020	SATs Week Monday 11 th – Thur 14 th May 2020	
Water, water everywhere - Local to Global	The Sea Wolves	Together we can make a Difference	Put out that light!		All the World's a Stage
<p>17/9/19 Porter Brook, Porter Valley River study Parent helpers needed</p> <p>24/9/19 High Storrs Roadshow for Parents and Children 16:00 – 16:30 in Y6LA</p>	<p>5/11/19 Viking Workshop – Portals to the past (in school) Children are encouraged to dress up for the day in Viking attire</p> <p>6/11/19 Local visit to St Oswald's Church</p>	<p>Date to be confirmed Crucial Crew – Lifewise Centre, Rotherham Children will need to be in school for 8.25 to ensure we depart by 8.35</p> <p>7/1/20 St Luke's introduction to Biz Kids Enterprise scheme.</p> <p>10/1/20 IKEA visit- Sustainability and making products for a larger market</p> <p>5/2/20 Y6 Carterknowle Spring Enterprise Market All Parents and Carers invited to attend</p>	<p>24 or 29/2/20 St Luke's presentation (10 children to present to a panel of judges – names to be picked out of a hat) Parent helper needed</p> <p>4/3/20 Kelham Island – Second World War Workshop Children are encouraged to dress up for the day in Second World War attire Parent helpers needed</p> <p>25/3/20 Swimming session at Heeley Pool (pre-SATs treat) Parent helpers needed</p>	<p>16/4/20 Synagogue, Psalter Lane All boys will need to bring and wear a cap in the Synagogue Parent helpers needed</p> <p>7/5/20 VE Day tea party All Parents and Carers invited 2.30 – 3.15</p> <p>15/5/20 Millhouses Park and ice-cream followed by duvet and film afternoon</p> <p>18-22/5/20 Bike Ability – Carterknowle for children wishing to take part (36 spaces)</p>	<p>2/7/20 Pre visit to the Merlin Theatre</p> <p>25/6/20 Y6 Performance at the Merlin Theatre 19.00 - 20.00</p> <p>29-30/6/20 Silverdale Transition</p> <p>1/7/20 Highstorrs Transition</p> <p>3/7/20 King Ecgberts Transition</p> <p>6 - 10/7/20 Activity week with optional residential</p> <p>16/7/20 Leavers Party (pm)</p> <p>19/7/19 Dress down day</p>