

Topic: What is a river?

Term: Spring

Class: Sharks

### Geography

Questions we will explore:

- \* How does the course of the River Axe change from source to mouth?
- \* How does the course of my local river change from source to mouth?
- \* Why are river estuaries such important places for wildlife? (Linking with our Science)
- \* Why are rivers such an important part of the water cycle?
- \* How has the *Isle of Dogs* changed since the reign of Henry VIII?
- \* Why is river flooding such a problem in Bangladesh?
- \* How is climate change affecting the world? (Linking with our Science)
- \* How did Bedřich Smetana use music to describe the course of his beloved national river?
- \* How do we know what happened to the River Thames during the *Little Ice Age*?

### Science

We will be learning how the plants and creatures in our amazing world are in danger because their habitats are changing for lots of different reasons. We will need to become experts on a number of important Green Issues affecting local and worldwide habitats so that we can create our own Habitat Helpers Webpage which will teach people about the problems and what they can do to help.

### Maths

Using our Maths No Problem scheme, we'll be securing a firm grasp of multiplication and division facts as well as formal written methods for both of these. We'll also look at fractions, decimals, graphs and time this term. Year 4 children will be continuing to prepare for the Government statutory multiplication check. Children working on the year 5 scheme will also be learning about percentages and properties of shape.

### Art

We'll be studying images of our local area from google earth and topographic maps to produce paintings and 3d artwork of our local landscape.

### DT

We will be completing a cross-curricular project where each pupil will design, build, test and improve our very own fan-driven model boat to sail down our very own drainpipe 'River Stour'. We will apply our knowledge of electricity, materials and forces.

### PE

We'll be fine tuning our Athletic skills as well as learning attack and defence strategies and showing control and technique in High-5 Netball.

### RE

#### What is the Trinity?

We will be learning about the Trinity and how Christians show their beliefs about God as Trinity.

#### Is forgiveness always possible?

We will be learning to understand how Jesus' life, death and resurrection teaches Christians about forgiveness.

### Computing

As a class, we will be using Google Earth to explore our Geography and Art topics as well as creating our own webpage linked to our Science learning on habitats. We'll also be exploring more about staying safe online.

### Music

We have the opportunity to learn the clarinet this term courtesy of Dorset Music Service's musicianship programme. Each child will have their own clarinet to take home and will have a lesson each week with a DMS tutor. The children will be given opportunities to perform, evaluate, compose and discuss musical elements.

### French

#### Going Shopping

We will learn key vocabulary needed for the French shopping experience and the vocabulary specific to fruit, vegetables and clothes. We will also learn the French names for shops. The unit culminates in a role play lesson where children put into practice all they have learned by taking on the roles of shoppers/shopkeepers.

### Literacy

In our reading lessons, we will continue with our Rivers theme by studying 'Wind in the Willows' by Kenneth Graeme. From our most recent NFER tests before Christmas, it is evident that we need to revisit and develop our knowledge of pronouns, apostrophes and speech punctuation in our grammar learning and we will do so both discretely and through our units on persuasive writing (linked with our Science topic), dialogue and character descriptions in story writing. We will also be writing poetry connect to our artwork and a biography,

<i>Visits/Visitors</i>	<i>Environmental issues/World of Work</i>	<i>Philosophy4Children/ Questions</i>	<i>School values - Courage, Compassion, Joy</i>
<p>I have contacted Wessex Water to try and organise a trip to one of their treatment plants to discover how water companies fit into the natural water cycle and understand the challenges posed by climate change to both water supply and sewage treatment. I will also be organising a trip to the River Iwerne at the bottom of Hod Hill to complete some field studies work.</p>	<p>I've contacted our local water bailiff to come and talk to the children about his role and the habitat that the River Stour provides.</p> <p>I have also invited the local flood warden from Stourpaine to talk to the children about his role.</p> <p>Through our Science and Geography work, there will be extensive opportunities to explore how our choices and decisions could be impacting on climate change and in particular, water levels and quality,</p>	<p>Do environmental activists actually make a difference?</p> <p>Who can lay claim to the water?</p>	<p>Courage - Standing up for environmental issues, securing a brighter future for all.</p> <p>Compassion - Understanding other people's viewpoints and displaying love for wildlife in and around waterways.</p> <p>Joy - exploring and experiencing the joy that our natural environment can offer us and its impact on our mental health and wellbeing.</p>