Lutley Primary School

Learning, Caring, Aiming High - Together

Year 4

Rivers

Prior Knowledge:

In Year 3 you learnt about the Lake District which has many bodies of water, including rivers. At the beginning of Year 4 you learnt about how to read a map, including using the symbols indicated on the key. As part of your fieldwork study, you will look at maps of the area we are visiting. You can also use your knowledge of the water cycle to make links with evaporation and condensation, which will learn more about in science.

Books, texts, primary and secondary sources you may use:

- New KS2 Discover & Learn: Geography Rivers Study Book CGP
- DK <u>Websile</u> Rivers

Suggested family experience:

Visit a local river e.g. the River Severn at different points. What stage is the river at youthful, middle aged or mature?

National Curriculum:

Describe and understand key aspects of physical geography, including:

• climate zones, biomes and vegetation bells, **rivers**, mountains, volcanoes and earthquakes, and the water cycle.

Geographical Skills and Fieldwork:

 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.

We will be conducting some fieldwork whilst visiting a river during this unit of work. We will consider what primary sources of information we can gather to study the environment around us, including making, recording and evaluating our observations. As we will be by a body of water, we will need to ensure that we are considering ways to keep ourselves safe. We will also visit the brook in the grounds of our school.

Quick Summary

There are three main stages of a river, different physical processes happen at each stage. The river Severn is local to Lutley Primary School. We have a brook nearby our school which is a type of small river. We can study rivers by carrying out fieldwork. The brook at the bottom of our school drive.



Vocabulary you will use:

Word	Definition
bed	Bottom of a river
bank	The land next to a river, sometimes it slopes down to it
brook	Small river
channel	Something that joins two areas of water
creek	Small river
delta	Where a river splits into several branches before entering the sea
deposition	The dumping of rocks
erosion	The wearing away of rocks
floodplain	A low areas of land next to a river which sometimes floods
gravity	The force that attracts things to the centre of the Earth
meanders	Bends and changes to direction in a river
mature	A river near its mouth
ox-bow lake	Parts of a meander cut off from the rest of a river
stream	Small river
source	The start or a river
spring	Water that flows from underground
transportation	The movement of rocks
youthful	A river near its source





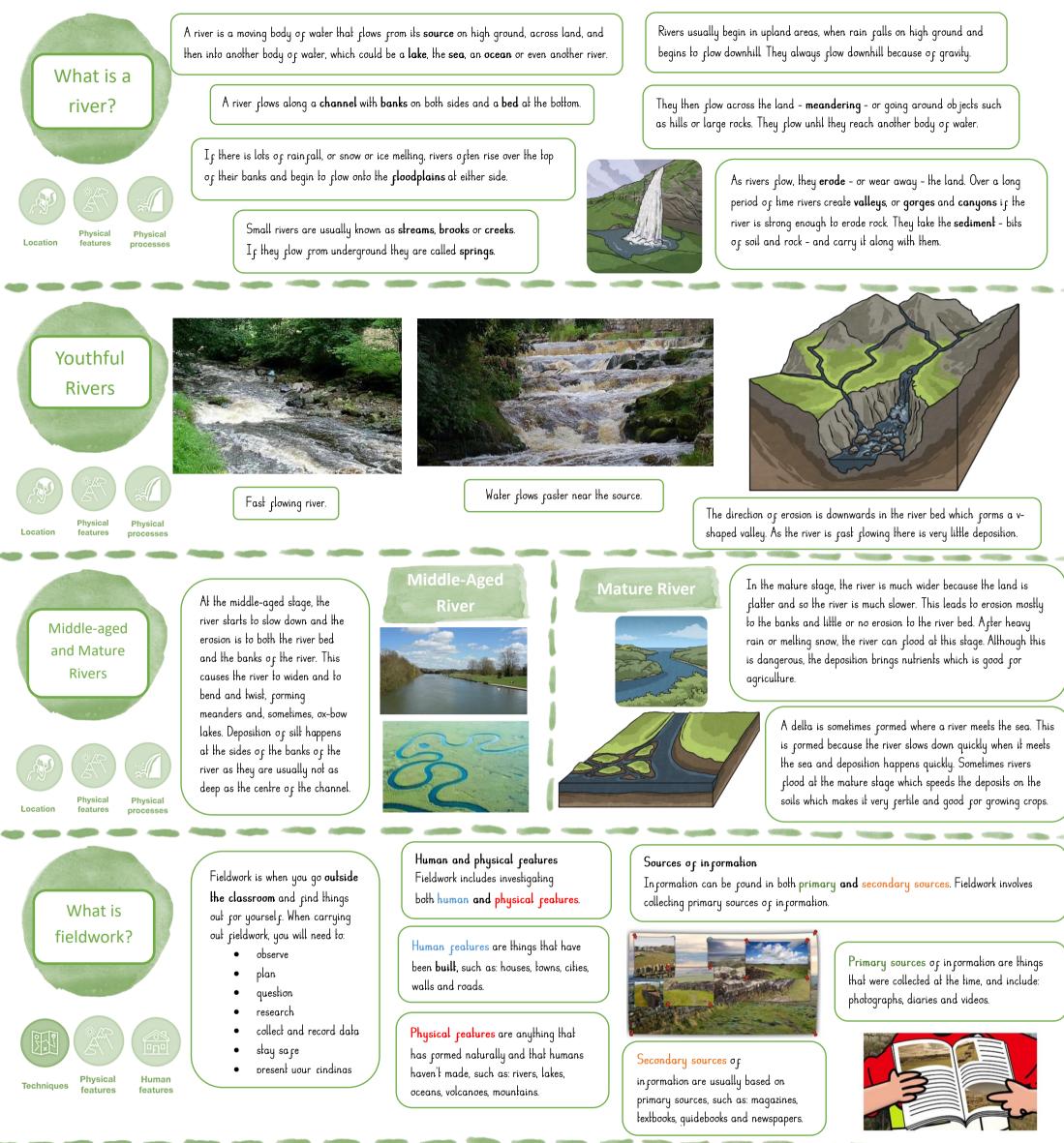


Click <u>here</u> or scan the QR code to see the journey of a river from its source to the sea or a lake.

Questions we'll ask you throughout the unit to check your knowledge and understanding What is a river?

Can you describe the 3 main stages of a river?

What is fieldwork? What did you learn from your fieldwork study about rivers?



Carry Out

Planning and carrying out fieldwork

Techniques Physical features



When you plan your fieldwork investigation, you need to think about:

Plan

- how to choose the location.
- physical and human features.
- what to investigate.
- how to collect in formation.
- how to record data.

Looking at maps of the area will help

features or physical features, or both.

how to stay sare.

you to decide what you could

investigate. This could be human

When you carry out your fieldwork investigation, you need to:

- be prepared.
- remember how to stay safe.
- remember your plans, but be ready to change them if you need to.
- record your findings carefully.



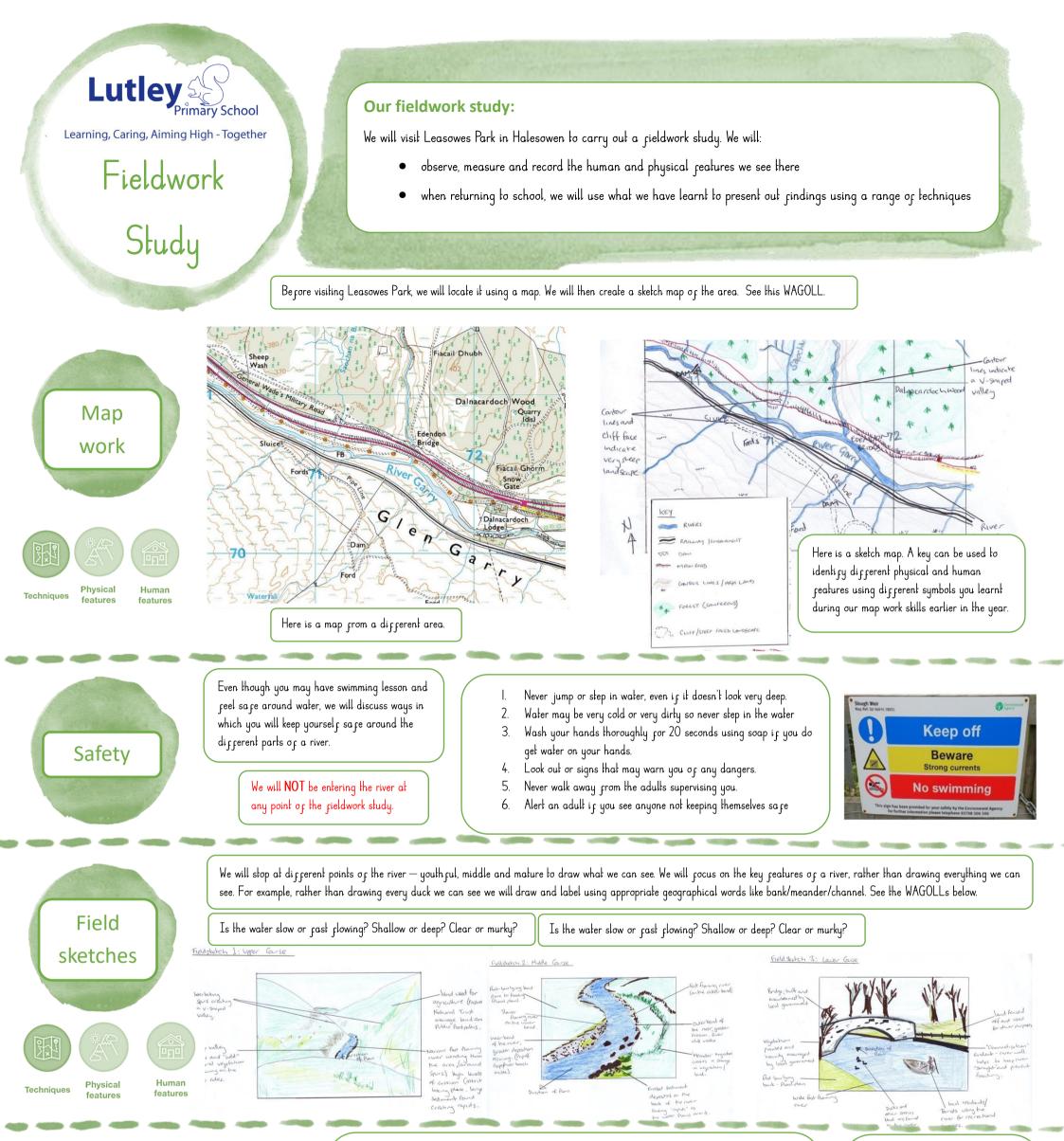
Analyse and Present

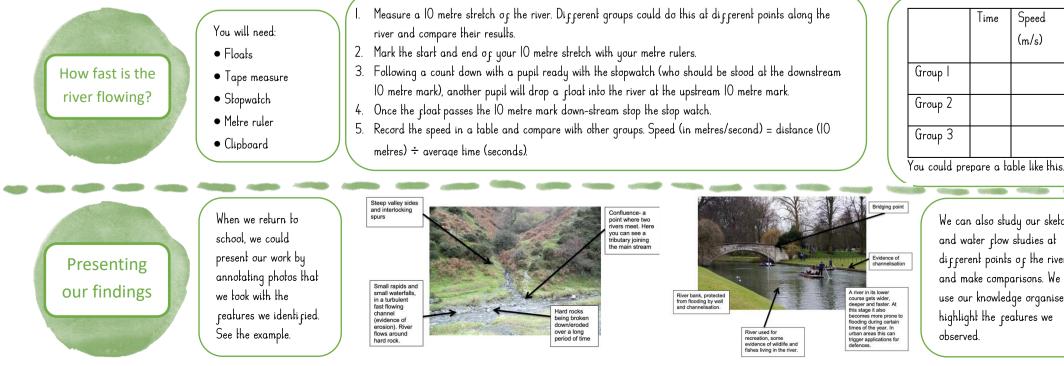
After you've carried out your fieldwork, you need to analyse your findings by looking carefully at them so you can understand them.



Then you're ready to present your findings and explain to others what you have found out.

You can evaluate your findings by deciding how well your investigation went, and how you could improve it next time.





We can also study our sketches and water flow studies at different points of the river and make comparisons. We can use our knowledge organiser to highlight the features we observed.

Time

Speed

(m/s)