

Central Idea

This statement ties the learning together to create connections and provide a context across pupils' knowledge.

Physical and human systems can transform our world.

Words in blue do not link to the central idea.

Lines of Inquiry

These inquiries are the phases of learning that take place, supporting the children to develop their understanding of the central idea.

1. **Earth's natural cycles (function)**
2. **Changes to the Earth's landscape (change)**
3. **How human systems impact the Earth (connection)**

Maths

Fractions:

comparing and ordering fractions, mixed numbers and improper fractions, equivalent fraction families, adding and subtracting fractions with the same denominator.

Decimals:

. tenths and hundredths as decimals, dividing one and two digit numbers by 10

English

Texts:

The River Singers by Tom Moorhouse
The River by Hanako Clulow

Writing Outcomes:

Non chronological report
Explanation
Poetry

Computing

Lego:

- designing and using repeat instructions to code, test and debug programs.

Social Studies

History: Developing knowledge of chronology
Geography:

- How humans work with the natural water cycle to provide water to our homes.
- Rivers and why they change over time.

RE: Why is Jesus inspiring to some people?

YEAR 4 MODULE 4

Science

States of Matter

- comparing and grouping materials
- observing the change of state when some materials are heated or cooled
- Identifying the part played by evaporation and condensation in the water cycle.

PSPE

PSHE: How can we look after our environments?

PE: Swimming

The Arts

Art: Vincent Van Gogh

- Studying and appraising Van Gogh's art work.
- Layering pastels to create art in the style of Van Gogh.

Visit

- History Museum (London)
- The River Thames
- The River Medway

Websites

- Google Earth
- Canoe Quest (River & Rock game)
- Rivers of the World Quiz

Apps

Spelling Shed / Ed Shed
TTRS
LanguageNut (Spanish)

Get Creative

- Create your own times table song.
- Creating own artwork using techniques learned at school.
- Can you make your own version of Vincent Van Gogh's famous art work?

Action

Communicate and share your learning with others, e.g.:

- Share your home learning with your teacher.
- Present your learning to an adult at home.

Look Out For

- Programmes on TV about rivers or the human water cycle.
- Maps that show a rivers journey.
- Evaporation and Condensation (this could be when cooking, bathing etc.)

IT

- Use Scratch to design a loop of block code.
- Make a Book Creator or iMovie for the Water Cycle.

In the Car

- Sing a time tables song.
- Listen to a history podcast
- Guess the Country - hints based on what is known about the country.
- Look for rivers or water sources on your journey.

Get Outdoors

- What wildlife lives near our local rivers?
- Save wildlife by doing a litter pick or something to support the environment.

YEAR 4 MODULE 4

Home Learning Opportunities