

## 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