



Water of Life Year 4 / Autumn Term

Part of Nicholas Postgate Catholic Academy Trust

Curriculum Overview

Learning Challenge: Key Questions & Enquiry

Is water essential in our world?
Why does the human body need water?
Have rivers had any impact on the creation of settlements throughout history?

Memorable Experiences

Visits: River Tees Boat trip-Teesside Princess
Science Themed Day: 15 water experiments

Learning Environment

Explorations and Discoveries Area –showing the significance of water inventions and the impact on society today.

Inspirational People

David Kinnersley – Water aid Founder

Coverage Summary

As geographers we will:

- **Communicate geographically** understand the importance and describe key aspects of physical geography, including oceans, rivers and the water cycle, identifying why they are important in our lives today.
- **Investigate places** use maps, atlases, globes and digital/computer mapping to locate countries and describe features, including famous rivers in the UK and around the world.
- **Investigate places** name and locate countries and cities of the United Kingdom, geographical regions and their physical characteristics. Understand how some of these aspects have changed over time.

As historians we will:

- **Build an overview of world history** describe changes that have happened in the locality of the school in relation to the River Tees over time.
- **Communicate historically** understand the importance of the River Nile to Ancient Egyptian society.

Resources

Historical aerial maps of Middlesbrough
Impressionism – CQE Art & Design Pg128
Ancient Egypt – CQE History Pg121
Egyptian Clues from the past – CQE History Pg122
Europe: rivers – CQE Geography Pg96-97
Landscapes: rivers – CQE Geography Pg102-103
The water cycle – CQE Geography Pg130-133

Enriching Texts

Why the Whales came- Michael Morpurgo
Kensuke's kingdom – Michael Morpurgo

English in Context

As writers we will create:

- **Write with purpose**
Persuasive letter - persuade people not to dump rubbish in the oceans.
- **Sentence construction**
Instructions - how to protect homes during a flood.
- **Imaginative description**
- Narrative– adventure story set on a river.
- **Presentation**
Poetry- limericks

Maths in Context

As mathematicians we will:

- **Describe position, direction and movement**
Coordinates
- **Use measures**
To solve problems

Computing

As users of technology we will:

- **Code**
Develop our understanding of instructions, logic and sequences to construct a river setting using a trigger event.
- **Collect**
Use databases to collect, record and present information whilst investigating rainfall.

Science in Context

As scientists we will:

Work scientifically

- **Biology – Plants Animals & Humans**
Investigate, explain and summarise the important role of water within a balanced diet for all living things.

SMSC

Through British Values we will:

- **Spiritual**–Show an increasing ability to reflect.
- **Moral** – Show an ability to make responsible and reasoned judgements on moral dilemmas.
- **Social** – Shows respect for people, living things, property and the environment.
- **Cultural** – Demonstrate an openness to new ideas and a willingness to modify cultural values in the light of experience.

Catholic Social Teaching

As followers of Christ we will:

- **Option for the poor and vulnerable**
- **Call to family, community and participation**
Discuss the five measures of poverty. Discuss - does poverty only happen abroad?
Lead an aspect of the school's fundraising efforts for 'Children In Need. Give reasons why this highlights the need to work together in society.

Art & Design Technology

As artists and designers we will:

- **Master techniques**
Painting the River Tees
Create progressive collage representing water imagery
Study the work of Impressionist artists and the impasto painting technique. (Alfred Sisley)
Consider the way Impressionism attempts to capture movement and life.
- **Develop ideas**
Review and analyse water imagery artwork
- **Design, make, evaluate and improve**
Demonstrate the water cycle using pneumatic systems which can operate levers.

Music in Context

As musicians we will:

- **Listen**
Appreciate and comment on Bedřich Smetana's, 'Vltava' (Romantic period).
- **Compose**
Compose repeated patterns with a range of instruments (including the voice and body percussion) that reflect the journey of the River Tees.
- **Perform**
Perform Row, Row, Row Your Boat maintaining a simple part within the group.

