

# Water and the Environment

Farway

Summer 2017

## Possible Activities

Play Battleships to learn about reading coordinates  
Using a recycling timetable to answer problems about dates and months of the year  
Convert measurements and compare decimal numbers in regard to a height chart for an amusement park ride  
Solve problems involving arrays, perimeter and area in the context of planting a vegetable garden  
Solve problems related to temperature charts, rainfall graphs etc.  
Solve ratio and proportion problems linked to recipes in food technology

## Possible Activities

Explore the stages of the Water Cycle, linked to changes of state  
Investigate how clouds form and make a cloud-spotting guide  
Experiment with dissolving different solids in liquids  
Use filters and evaporation to separate mixtures, linking this to the water cycle and purification of water  
Investigate flooding and plan flood defences  
Investigate causes of pollution in water and ways of reducing pollution  
Create warning posters and investigate local pollution incidents

## Knowledge and Understanding of the World (Geography, History, Science)

The Water Cycle  
Different states of water  
Erosion and Deposition  
Flooding and flood defences  
Litter and the Environment  
Global warming and carbon footprints  
Sources of power  
Where our food comes from – soil, food miles and seasonal food

## Mathematical Development

(Problem solving, reasoning and numeracy)

Coordinates – translation, rotation and reflection  
Fractions, decimals and percentages  
Converting units of measurement – metric and imperial  
Measurement problems, including time, perimeter and area  
Adding and subtracting fractions

## Communication, Language and Literacy

(Speaking and listening, reading, writing)

Reading and writing instructions, stories that explain something, parables and information texts and/ or balanced arguments.  
Grammar – revising word classes and exploring how to use a wider range of punctuation  
Daily phonics and group spelling and handwriting sessions  
Guided Reading linked to Bug Club Comprehension

## Possible Activities

Passing and receiving  
Movement and decision-making  
Team shape and tactics  
Bowling and batting  
Fielding and positions  
May Day – Traditional Dance

## Physical Development

(PE, Growth and Health)

Tag Rugby  
Rounders

## THE VISIT/VISITOR South West Water workshop Visit to the Met Office

## Possible Activities

Read and discuss the story of Pentecost in Acts 2 and explore what this story means to Christians.  
Discuss the symbols in the story and explore ways in which the Trinity and the Holy Spirit have been presented in Art, poetry, songs etc.  
Explore how Christians celebrate Pentecost Sunday.  
Explore the image of the Church as the 'body of Christ' (1 Corinthians 12) and what is meant by the 'fruit of the Spirit' (Galatians 5).  
Investigate symbols in Hindu worship and learn about some of the main Hindu gods and their symbols.

Consider different elements of a healthy lifestyle: food, fitness, hygiene etc.  
Investigate food groups and plan healthy menus  
What are the effects of exercise and why is it important?  
What are drugs and how can they affect you? (including legal drugs such as caffeine, smoking, alcohol and medicines and illegal drugs).

## Understanding of Faith, Belief and Cultures

How and why do people express their beliefs in different ways? (Use of the arts, music, symbols etc.)  
What do Christians mean when they talk about "the Kingdom of God"? What sort of king was Jesus?  
What happened at Pentecost, what is the Trinity and why is the 'Holy Spirit' important in Christian life?  
What are some of the main Hindu beliefs and how are these similar or different to those of Christians?  
'Thy Kingdom Come' project exploring the Lord's Prayer.  
British Values  
Living a healthy lifestyle

## Creative Development

(Art, D&T, Music, Role Play)  
Food technology: creating smoothies, salads and soups

Artwork showing the journey of a river, using observational drawings, paintings and collage.

## Computing Activities

Animation  
Watch short animation films and investigate the techniques used by animators.  
Make a flip book  
Use 'Pivot Animator' software to design a short animation  
Use a camera to film and make a short motion animation film  
Design and make an animation about the water cycle

## Possible Activities

Tasting and evaluating different soups/ smoothies/ salads  
Investigate a range of different recipes  
Design and make our own recipes  
Make a class recipe book  
Observational sketches of local rivers  
Exploring how to portray the movement of water using different media (e.g. pastels, paints, collage, wax resist)  
Sketches and watercolours of different creatures  
Exploring perspective and different viewpoint  
Choosing artistic media to create final artwork  
Using  
**Modern Foreign Language – French**  
Days of the Week and Months of the year  
*Les jours de la semaine et les mois de l'année*  
Telling the time to the nearest hour  
*Quel heure est-il?*  
Weather and seasons  
*Quel temps fait-il?*