

Water and the Environment

Broadhembury

Summer 2017

D.E.N Activities (Discuss, Explore, kNnowledge)

Environment Agency Laboratory

Investigating water samples, where our water comes from, water around us (local rivers, reservoirs etc.), different uses of water, water habitats. Design a water collector or water carriers. Test erosion of rocks. Write instructions for growing crystals. Design an irrigation system. Design a presentation to present to other

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

Knowledge and Understanding of the World

(Geography, History, Science)
 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 –

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

Physical Development
 (PE, Growth and Health)
 Softball, hockey, athletics, dance

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.

Ukulele practice
 Listening to water inspired music

Computing Activities

Animation
 Looking at the history of animation and researching past techniques.
 Trying a range of different software programs and comparing them giving reasoning for a preferred choice.
 Creating flick books.
 Creating short animations using computer software.
 Creating a stop animation film about the story of a raindrop in the water cycle.

Possible Activities

Make 'Blue Peter' style instruction videos, retelling an instruction text, "Incredible Edibles", using equipment to demonstrate
 Use the style and language of instructions texts to write our own instruction (e.g. how to filter water, how to catch a whale)
 Write own stories to explain something in nature, linked to Ted Hughes' book, "How the Whale Became"
 Write play scripts about saving an endangered animal
 Role play a UN debate about environmental issues
 Research and write balanced arguments about issues regarding recycling, the environment and global warming etc.
 Bug Club reading, comprehension and Grammar and Spelling activities
 Play spelling games, learn and use a 'word of the day'

(Speaking and listening, reading, writing)

Reading and writing instructions, stories that explain something, play scripts 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

Throwing and batting skills
 Learning the rules of sports
 Ball and stick skills

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 viewpoints
 Choosing artistic media to create final artwork
 Using a sketchbook to collect ideas, develop and plan

To continue to learn chords on the ukulele and create a piece of water inspired music.

Modern Foreign Language – French

Weather and seasons
 Presenting a weather forecast using French vocabulary.
 Telling the time
 Practising numbers 1-100

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

Looking at the different states of water and knowing at which temperature they change.
 Creating a mini water cycle and explaining how it works.
 Learning about different cloud types and how to spot them.
 To know how water is purified for drinking and creating our own filtering systems.
 To research the impact that pollution has not only on water but the whole environment.
 Investigating different types of rocks and how they are used, how rocks change over time, how soil is made and how fossils are formed
 Investigate the life cycles of sea birds, pond insects, fish, amphibians and mammals (e.g. whales)
 Argue a case for an animal under threat, suggesting how science might help
 Use filters and evaporation to separate mixtures, linking this to

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).
 Body changes and development and healthy hygiene
 Worship focus – Values Peace and Trust
 Good Samaritan Award – Design a poster about benefits of

ies

ost in Acts 2 and
 istians.
 explore ways in which
 been presented in Art,

seasonal

nding how and why do people express
 ffs in different ways? (Use of the arts,
 mbols etc.)

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?