

Summer Term 1 2016

Connected Curriculum
Water, Water Everywhere

Subject Areas

Science

Children will

- Compare and group materials together, according to whether they are solid, liquid or gas
- Observe and identify the properties of solids, liquids and gasses
- Observe that some materials change state when they are heated or cooled and measure or research the temperature at which this happens
- They will also identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature

As an introduction children will be making cornflour slime. They will explore the slime with their hands and examine how the substance behaves both like a liquid and a solid.

Geography

In this theme, children will learn about rivers and the water cycle. They will study key aspects of the main rivers in the UK and the wider world. Children will learn that rivers have a source, channels, tributaries and mouths, that they receive water from a wide area and that most water flows eventually into a lake or the sea. They will learn that human activity affects and is influenced by rivers. They will link learning about rivers to other bodies of water such as reservoirs, lakes, seas and oceans.

History

In this theme, children will learn about the achievements of the earliest civilisations including those of the Ancient Sumer, the Indus Valley, The Shang Dynasty and Ancient Egypt, going on to study the latter in more depth. Children will compare and contrast these periods, identifying the particular strengths of each one and drawing parallels between them.

Art

Throughout this theme, children will explore and develop drawing and painting skills. They will have the opportunity to investigate many artists who have worked within the theme of water and they will develop language skills to express opinions about an artist's work, discuss their methods, and find differences and similarities between artists.

Computing

The learning within this theme reviews and expands upon the work on digital research carried out in the Rock and Roll theme in the Autumn term. It also introduces the children to the use of webpages. Children will learn about some of the more advanced features of search engines and develop the use of Boolean operators to refine searches. Alongside this learning is an increasing acknowledgement of copyright and the use of the internet. There will also be many opportunities for reinforcing the messages regarding internet safety.

English

Stories with a theme: Using our focus text *The Mousehole Cat* by Antonia Barber children will listen to, read and discuss fiction. They will analyse and evaluate the text looking at language, structure and presentation. Children will identify, discuss and collect effective words and phrases which capture the reader's interest and imagination e.g. similes and metaphors. In their writing, children will be learning how to use commas to mark clauses in complex sentences and they will create sentences using fronted adverbials for where.

Poems with a structure: Children will read and discuss a range of poems linked to the theme of water. They will analyse different forms of poetry e.g. haiku, limericks, kennings and discuss their preferences. During this unit, the children will collect effective words and phrases which capture the reader's interest and imagination. They will also prepare poems to read aloud, showing understanding through intonation, tone and volume. By the end of this unit children will write their own poems which they will proofread and improve in the light of evaluation.

Information Booklets: In this unit children will be creating their own information booklet e.g. welcome brochure. They will listen to, read and discuss a range of non-fiction in different forms e.g. brochures, leaflets and electronic texts. They will analyse and evaluate how specific information is organised within a non-fiction text and they will navigate different texts to locate and retrieve specific information in print and on screen.

Maths

- Week 1 - multiplication facts, counting and sequencing
- Week 2 - addition and subtraction (money and measures)
- Week 3 - fractions and decimals
- Week 4 - fractions and division
- Week 5 - multiplication and division and time
- Week 6 - measures (volume, capacity and mass) and area
- Week 7 - 2D and 3D shape and angles

Cross-curricular Mathematics: Linked to learning opportunities in science where children are estimating the temperature of a variety of objects, there will be opportunities to work with this information in a variety of ways:

- Ordering their estimates from coldest to hottest
- Accurate reading of thermometers to ascertain the correct temperature
- Calculating the difference between their estimate and the actual temperature

Religious Education

Unit 4.5: Are all churches the same?

- The aim of this unit is to give children an understanding of the Church in its widest sense. To see the similarities and differences between denominations and to develop further their concept of symbolism.

Physical Education

Gymnastics

Children will develop flexibility, strength, technique, control and balance. They will compare their performances with previous ones and demonstrate improvement to achieve their personal best.