

DT

Homemade soups and casseroles

Children will explore the importance of having a healthy and varied diet. Children will investigate and discuss different varieties of foods and combinations. They will analyse different nutrition facts and find out how to check the nutrition fact labels. This links well to their science topic of Animals Including Humans' which looks at the benefits of a healthy lifestyle and the positive impact that this can have upon your overall health.



Topic Map Year 6 Term: Spring 2

Will We Ever See The Water You Drink Again?



Geography

Will we ever see the water you drink again?

Children will explore the journey of water to and from our homes and the difficulties in accessing fresh water around the world.

Children will explore water in all different forms and bodies that includes identifying the world's oceans, major rivers, gulfs, channels and lakes. They will use specific vocabulary to describe the water cycle in detail, consider how households in the UK use water and compare that with those in Kenya. They will explore water scarce countries and understand the role water can play in sustainability. They will research the water quality of the city of Liverpool.

Computing

In Computing, children will learn about computer networks including the internet and how they can provide multiple services in our world.

They will find out about the World Wide Web and the opportunities it offers for communication and collaboration.

Children will gain an understanding of how the internet relates to data transfer and where and how all the data is stored.

Music

Pupils will be using Charanga this half term in their music lessons. . This unit of work is based around: You've Got A Friend - a song about friendship by Carole King. Pupils will learn how to listen and appraise a range of other songs written by Carole King including:

- The Loco-Motion sung by Little Eva, written by Carole King
- One Fine Day sung by The Chiffons, written by Carole King
- Up On The Roof sung by The Drifters, written by Carole King
- Will You Still Love Me Tomorrow by Carole King
- (You Make Me Feel Like) A Natural Woman by Carole King

R.E.

Unity

The children will know and understand all about unity and how it links to our daily lives. They will explore what nourishes and what spoils friendship and how that can build or destroy unity. They will also read a range of scripture and investigate what they teach us about unity as Christians.

Death and New Life

In the topic, which runs through The Church's seasons of Lent, Holy Week and Easter, children will learn about the suffering, death and resurrection of Jesus and how this leads to new life- They will acquire the skills of assimilation, celebration and application of the life as a Christian and how Jesus' sacrifice fills us with hope and confidence for the future and life everlasting.

WOW Experiences –

World Book Week

PE

Dance

Pupils will work in pairs and groups using different choreographing tools to create dance e.g. formations, timing, and dynamics. They will have opportunities to choreograph, perform and provide feedback on dance. Pupils think about how to use movement to convey ideas, emotions, feelings and characters.

Golf

Pupils will develop skills and apply them to striking, chipping, putting and playing a short and long game. They will develop their coordination, accuracy and control of movements.. Pupils will learn how to be creative by designing their own course.

Spanish

Pupils will continue to learn how to engage in simple conversations by asking and responding to questions such as: "Where do you live?" "How old are you?" "How are you feeling today?".

They will continue to build on their knowledge of colours and numbers and learn how to count from 10-20.

Additionally, children will learn how to say simple equipment that they would find in their classroom and school such as: chairs, tables, books and writing equipment.

RSE Children will be taught:

- To recognise their worth as individuals, by identifying positive things about themselves and their achievements, seeing their mistakes, making amends and setting personal goals;
- That pressure to behave in an unacceptable or risky way can come from a variety of sources, including people they know and how to ask for help, and use basic techniques for resisting pressure to do wrong;
- To reflect on spiritual, moral, social and cultural issues, using imagination to understand other people's experiences;
- That their actions affect themselves and others, to care about other people's feelings and to try to see things from their point of view.
- To be aware of different types of relationships, including marriage, and those between friends and families, and to develop the skills to be effective in relationships.

Class Novel/Book: Kensuke's Kingdom by Michael Morpurgo

English

World Book Week

For World Book Week, Year 6 children will be Celebrating the picture book 'Greta and the Giants'. They will look at this text in greater depth by inferring both the illustrator and author's choice of language and images and the impact upon the reader. Pupils will write persuasive text based around the impact that deforestation is having on our beautiful world.

Formal/impersonal writing

Children will learn how to write a formal text. They will explore how the use of formal language and selection of appropriate vocabulary is altered depending upon the writing intended purpose and audience. Pupils will go on further to develop a wide range of devices to build cohesion within and across paragraphs. Finally, pupils will analyse, compare and contrast the differences in language between formal and informal writing pieces. At the end of this topic, pupils will apply their learning by writing a formal and impersonal writing piece.

Diary Writing

Pupils will use hot seating activities to devise careful questioning techniques to illicit important information that can be used in the writing phase. Pupils will go on to evaluate effective questioning techniques and how successful these have been at extracting relevant information. Pupils will go on to write their own diary recounts making deliberate vocabulary and word choices to portray their feelings successfully to engage the reader.

Mathematics

Volume

In this chapter, pupils will be developing their understanding of volume as it relates to cubes and cuboids. At the beginning of the chapter, they are working with concrete materials to expose the meaning of volume thoroughly. As the chapter progresses, pupils are determining the formula for the volume of cubes and cuboids, estimating volumes and calculating total volumes with a formula. By the end of the chapter, pupils are solving multi-step word problems related to volume, using division and multiplication.

Geometry

This is the final chapter on geometry in Year 6. Pupils will be investigating angles on their own, in word problems and in shapes. The chapter begins with pupils looking at vertically opposite angles before solving word problems involving angles. They will then be looking at angles in triangles and quadrilaterals, using that information to complete a lesson on word problems.

Position and Movement

In this chapter, pupils work with polygons on coordinate grids. They differentiate between translation and reflection before moving on to express movement using algebra. Pupils begin to use a coordinates grid from different starting points and recode the coordinates of the points. The coordinate grids become more complex as the chapter progresses, using all four quadrants and translating and reflecting objects. The chapter ends by describing movement (translation and reflection) on a grid using algebra.

Graphs and Averages

In this chapter, pupils will learn to present and interpret information in different ways. It begins with lessons exploring the mean, but also briefly looking at other ways of showing averages. Pupils calculate mean in different situations and use the mean to find other information. They then move on to showing information on different types of graph. They revise bar graphs, pictograms and tables, then spend several lessons drawing, reading and interpreting pie charts. Pupils begin with pie charts split into sections of equal size, then quickly move on to pie charts with different fractions of different denominators. They use fractions, percentages, angles and algebra during these lessons. Next, they focus on line graphs; drawing, reading and interpreting the information in them. Pupils begin with distance/time, then explore a variety of uses for line graphs, including converting units of measurement and currency.

Science

Electricity

Building on their work in year 4, pupils will construct simple series circuits, to help them to answer questions about what happens when they try different components, for example: switches, bulbs, buzzers and motors. They will learn how to represent a simple circuit in a diagram using recognised symbols. Pupils will be taught in this topic, the importance of working safely and the necessary precautions when working with electricity.

Working Scientifically

- Pupils will work scientifically across this topic and will learn that the brightness of a lamp or the volume of a buzzer will be affected by the number and voltage of cells used in the circuit.
- They will compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches
- Building upon their learning in year 4, Year 6 pupils will use recognised symbols when representing a simple circuit in a diagram.
- Pupils will gain independence by solving electricity-based problems in groups and will apply the knowledge that they learn through practical sessions.