



Curriculum Overview

Year 4

Summer Term



Art

Craft and design: the fabric of nature



In this unit, children will describe objects, images and sounds with relevant subject vocabulary. They will create drawings that replicate a selected image, select imagery and colours to create a mood board with a defined theme and colour palette and complete four drawings, created with confident use of materials and tools to add colour.

DT

Electrical systems: torches

Child will build up to designing a torch, giving consideration to the target audience and creating both design and success criteria focusing on features of individual design ideas. It will have a working electrical circuit and switch. They will develop and evaluate the success of a final product.

RE



Pentecost

Children will know the story of Pentecost from the Acts of the Apostles. They will understand that the gift of the Holy Spirit transformed the lives of the Apostles and enabled them to proclaim the Good News. They will be able to identify the presence of the Holy Spirit in some of the Sacraments of the Church.

Old Testament : Moses-King David

Children will know and be able to recall in words, actions and writing the stories studied in this unit. They will understand that God chose and called Moses and David for special tasks. They will recognise that God protected his people and that in the Psalms of David we find images of God caring for and protecting his people. They will understand that through the anointing with the Oil of Chrism in the Sacraments, Christians celebrate and respond to God's call in their lives today.

Sharing in the Life of Christ

Children will know that the Catholic Church is spread throughout the world. They will understand that the Eucharist celebrates the unity of God's People throughout the world. They will be able to explain some beliefs of the Universal Church and religious customs from different parts of the world.

Computing



Creating media: photo editing

Children will develop their understanding of how digital images can be changed and edited, and how they can then be resaved and reused. They will consider the impact that editing images can have, and evaluate the effectiveness of their choices.

RHE and Appreciation of the World

- *Develop money and mental health management skills*
- *Learn that the Church is the body of Christ*
- *Develop a deeper and richer understanding of Catholic social teaching*
- *Learn how certain charities reach out to the wider community with love*

Whole Class Reading

The Miraculous Journey of Edward Tulane

Linked Texts– children will focus upon a key theme in their weekly linked text to enable them to be able to engage with a variety of narrative, informational texts and poetry.

Music



Ukulele tuition provided by Solihull Music Service.

This term, children will continue learning to play the ukulele through weekly tuition provided by a specialist music teacher from an external music service. They will learn how to hold and tune the instrument, play and perform familiar songs together as a class.

History

Maya Civilisation

In this unit, we will answer the enquiry question: What was life like in the Maya civilisation and how do we know? To do this, we will understand how historians use sources to find out about Ancient Maya beliefs, identify the importance of improvements in farming to increase food availability and wealth for Maya people, and understand that we know Ancient Maya writing, numbers, and the calendars from artefacts that have been discovered.

Geography

USA

In this unit, we will answer the enquiry question: What is it like in the USA? We will consider place and space through the states of the USA, population, and types of terrain and biome. We will then consider human environments with particular foci on California and New York City. This unit continues to support and grow pupils knowledge of our planet and the human and physical geography within it.



Science



Electricity:

Pupils will learn that some materials allow electricity through them and others do not. They will learn about the history of electricity and they make and test electrical circuits with a variety of components. They will use their knowledge of electricity to design and build a model of a burglar alarm for a house. Pupils will investigate the strength of a motor in a circuit due to the batteries added to the circuit.

Respecting the environment: Children will learn how to recognise that environments can change and that this can sometimes pose dangers to living things. They will continue to develop skills of reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.

English



Historical Fiction

This unit takes pupils into the past to explore the lives of two children who lived in the same place in different periods of history. (Charles II and Queen Victoria) The two novels selected explore what life was like at these times, the events taking place and the challenges faced by the main characters. Themes of family loss, friendship, survival and resilience are explored through book talk, drama and writing. The unit can be used to support a History curriculum focus on Victorians.

Myths

In this unit about myths, pupils explore how stories were once used as a narrative to explain natural or supernatural life such as how the world came to be, occurrences in nature and gods and heroes in Greek mythology. Pupils have the opportunity to explore stories from different parts of the world and to write their own myths.

PE

Kwik Cricket, Netball, Fitness, Tag Rugby

Children can use running, jumping, throwing and catching in isolation. They can communicate with others during physical activities. They will play competitive/modified games, and apply some basic principles suitable for attacking and defending across various sports.

Spanish

At the doctors and jungle animals: Children will revisit prior language learning of body part nouns, animal nouns, rules about nouns that the children were introduced to in Year 3 and Year 4, to revisit colours and extend knowledge of adjectives and rules with adjectives used with nouns and changes in spelling. They will write simple sentences in Spanish, using nouns, adjectives and the conjunction “and”.

Summertime: This half-term, Stage 2 learners will explore all about the weather and ice creams.

They will begin by learning weather phrases and using a map of Spain to give a weather forecast.

Maths



Number: Number and place value

- find 1000 more or less than a given number
- recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
- order and compare numbers beyond 1000
- identify, represent and estimate numbers using different representations
- round any number to the nearest 10, 100 or 1000
- solve number and practical problems that involve all of the above and with increasingly large positive numbers
- read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.

Number: Addition and subtraction

- add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- estimate and use inverse operations to check answers to a calculation
- solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Number: Fractions (including decimals)

- count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
- recognise and write decimal equivalents of any number of tenths or hundredths
- recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
- find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths

Statistics

- interpret and present discrete and continuous data using appropriate graphical methods, including bar charts
- interpret and present discrete and continuous data using appropriate graphical methods, including time graphs.
- solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Geometry: Properties of shape

- compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- identify acute and obtuse angles and compare and order angles up to two right angles by size
- identify lines of symmetry in 2-D shapes presented in different orientations
- complete a simple symmetric figure with respect to a specific line of symmetry.

Maths *(continued)*



Measurement

- Convert between different units of measure [for example, kilometre to metre; hour to minute]
- read, write and convert time between analogue and digital 12- and 24-hour clocks
- solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

Number: Multiplication and division

- recall multiplication and division facts for multiplication tables up to 12×12
- multiply two-digit and three-digit numbers by a one-digit number using formal written layout
- solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit
- solve problems involving multiplying and adding, including integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

Geometry: Position and direction

- describe positions on a 2-D grid as coordinates in the first quadrant

Number: Multiplication and division

- recall multiplication and division facts for multiplication tables up to 12×12
- use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
- recognise and use factor pairs and commutativity in mental calculations
- multiply two-digit and three-digit numbers by a one-digit number using formal written layout
- solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit

Number: Fractions (including decimals)

- recognise and show, using diagrams, families of common equivalent fractions
- solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
- add and subtract fractions with the same denominator
- find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- solve simple measure and money problems involving fractions and decimals to two decimal places.

Geometry: Position and direction

- describe positions on a 2-D grid as coordinates in the first quadrant
- describe movements between positions as translations of a given unit to the left/right and up/down
- plot specified points and draw sides to complete a given polygon.

