



Curriculum Overview

Year 4

Summer Term



Art



The theme for Art & Design this term will be printing. Children will learn the different ways in which to print and create images by repeating a pattern or patterns. This should lead to children creating their own borders, t-shirts and tiles by using the techniques they have learned.

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.

Global Learning

The World's Kitchen

Research changing food habits over the last 100 years in Britain.

Experience foods from different time periods.

Use maps to locate continents, countries and oceans. Research food and farming around the world.



Computing

Learning to be Creators

Pupils will use and combine a variety of software to design and create digital and printed presentations

Pupils will recognise and use good features of digital presentation

Pupils will collect and analyse and present data accurately

Pupils will be able to make simple edits to a film



Music

*Summer 1 - Learn to sing and play Lean on Me
by Bill Withers*



Summer 2 : Practise singing and playing instruments

Listening to:

La Quinta Estampie Real (anon 13th C) - Early music

Arrival of The Queen of Sheba by George Frideric Handel - Baroque

Moonlight Sonata (adagio) by Ludwig Van Beethoven - Classical

Bridal Chorus (Wedding March) Wilhelm Richard Wagner - Romantic

Rhapsody in Blue by George Gershwin - 20th century

Einstein on the Beach by Phillip Glass - Contemporary

Science



States of matter:

Pupils learn that materials come in three states of matter: solid, liquid or gas. They identify materials as solids, liquids or gases, including some that are harder to classify such as sand or sponge. They learn how to use a thermometer and investigate changes of state. They learn about the water cycle.

Respecting our Environment

This unit is intended to be taught across the whole year with at least two lessons in each term. Pupils look at the area within and near the school grounds and at the impact of humans on the environment. They discuss the need to balance human requirements against those of the environment.

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 11 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. The unit can be used to support a History curriculum focus on Ancient Greeks.

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.

