Curriculum Overview

Year 6

Summer Term

Music

Summer 1 - To Make You Feel my Love - Bob Dylan / Adele

Summer 2 : Practise singing and playing instruments

Listening to:

L'Autrier Pastoure Seoit (The Other Day a Shepherdess Was Sitting) - Traditional - Early Music

Armide Overture by Jean-Baptiste Lully - Baroque

The Marriage of Figaro: Overture by Mozart - Classical

Erlkonig D 382 Op1 Wer Reitet So Spat by Franz Schubert - Romantic

Sonata for Horn in F by Paul Hindemith - 20th century

Homelands by Nitin Sawhney - Contemporary

RE

Pentecost

Children will know the two stories from the New Testament about the coming of the Holy Spirit and be able to compare and contrast them. They will understand why wind, fire and breath are important symbols of the Holy Spirit. They will know the names of the Gifts and Fruits of the Holy Spirit and explain why they are important in the lives of Christians.

Belonging to the Church Community

Children learn about the foundations of life and teaching of the Catholic Church being rooted in the life and teaching of the Apostles. The children will learn about the role of the Pope and local Bishop in the life of the universal and local Church. They will also explore the life of the local parish community where the faith of God's People is nourished and celebrated.

Celebrating the Life of Mary and the Saints

Children will know about the Church's feasts in honour of the Blessed Virgin Mary and understand why such importance is attached to them. They will know that Mary and the saints enjoy the life of heaven and will also know some of the Church's prayers to honour them.

Global Learning

Rule Britannia

We will learn about:-

- *Where the Vikings came from and why they chose to settle in England.*
- *The significant figures and key events that took place during the Viking period.*
- *What life was like for sailors, warriors, children and criminals.*
- *The legacy of the Battle of Hastings and the Bayeux Tapestry.*

Computing

Learning to be Creators

Pupils will use and combine a variety of software to design and create a digital presentation for a given audience

Pupils will collect and analyse and present data accurately within a spread-sheet

Pupils will understand computer networks including the internet and the services they provide (world wide web)

Pupils will recognise how these services offer opportunities for communication and collaboration

Pupils will use search engines effectively in research

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.

Science

Light

Pupils build on their work on light in Year 3 to make more detailed investigations of shadows. They use their conclusions from this work to create shadow puppets and use special effects in their puppet shows. They study reflectivity, build a periscope and investigate the effectiveness of sunglasses, learning about the dangers of UV light.

Classification

Pupils build on their knowledge of classification from previous years and look at the classification of invertebrates and microorganisms in more detail and playing games to help them learn about microorganisms and classes of invertebrates. They study yeast, observing its growth, using it to make bread.

English

An Encounter With Shakespeare

This unit on Shakespeare gives pupils an opportunity to explore the work of a significant writer using a range of approaches. Pupils explore enduring themes such as ambition, power, love and friendship. Familiar scenarios from popular culture are used for comparison, adapted into text and recreated as a performance. This conscious comparison of contemporary culture to Shakespeare's plays contributes to pupils' understanding of complex characters and themes. Additionally, pupils will become familiar with Shakespeare's mastery of language, in both prose and poetry, and perform a very abridged version of one of his plays.

Millions

This unit focuses pupils' attention on the popular modern fiction novel, Millions by Frank Cottrell Boyce. It is an uplifting, humorous and poignant book about two brothers who learn the true value of what's important. The central concept of finding a lot of money moves from excitement to opportunity to burden and eventually danger. Pupils will engage with a range of themes including morality, faith, greed, poverty, charity and responsibility. There is a good balance of excitement, suspense and contrasting characters to appeal to upper Key Stage 2 readers.

Maths

Geometry: Properties of Shapes

- Draw 2D shapes using given dimensions and angles
- Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
- Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
- Draw and translate simple shapes on the coordinate plane, and reflect them in the axes
- Describe positions on the full coordinate grid (all four quadrants)

Measurement

- Recognise when it is possible to use formulae for area and volume of shapes
- Calculate the area of parallelograms and triangles
- Calculate, estimate & compare volume of cubes and cuboids using standard units, including cubic centimetres and cubic metres, and extending to other units, e.g. mm^3 and km^3
- Convert between miles and kilometres
- recognise that shapes with the same areas can have different perimeters and vice versa

Geometry: Properties of Shapes

- Recognise, describe and build simple 3D shapes, including making nets
- Draw 2D shapes using given dimensions and angles
- Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles

Addition, subtraction, multiplication, division

- multiply multi-digit numbers by a two-digit whole number using long multiplication
- perform mental calculations, including with mixed operations and large numbers
- use their knowledge of the order of operations to carry out calculations involving all four operations
- solve problems involving addition, subtraction, multiplication and division
- solve addition and subtraction multi-step problems, deciding which operations/methods to use and why
- use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy

Ratio & Proportion

- Solve problems involving the calculation of percentages (e.g. of measures, and such as 15% of 360) and use of percentages for comparison

Ratio and Proportion

- Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts
- Solve problems involving similar shapes where the scale factor is known or can be found

Statistics

- Interpret and construct pie charts and line graphs and use these to solve problems

Maths (continued)

Measurement

Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate

Use, read, write and convert between standard units, converting measurements of length, mass and volume from a smaller unit of measure to a larger unit, and vice versa, using decimal notation up to three decimal places

Number: Addition, subtraction, multiplication, division

multiply multi-digit numbers by a two-digit whole number using the formal written method of long multiplication

divide numbers up to 4 digits by a two-digit whole number using the formal written methods of long division and short division, interpreting remainders according to the context

solve addition and subtraction multi-step problems in context, deciding which operations and methods to use and why

Number: Fractions (inc. decimals & percentages)

multiply one digit numbers with up to two decimal places by whole numbers

use written division methods in cases where the answer has up to two decimal places

solve problems which require answers to be rounded to specific degrees of accuracy

Number: Place Value

Use negative numbers in context, and calculate intervals across zero

Number: Fractions (inc. decimals and percentages)

Compare and order fractions including those > 1

Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

Multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. 1⁄4 x 1⁄2 = 1⁄8)

Divide proper fractions by whole numbers (e.g. 1⁄4 ÷ 2 = 1⁄8)

Associate a fraction with division and calculate decimal fraction equivalents for a simple fraction, e.g.0.375 = 3⁄8

Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 or 1000

Use common factors to simplify fractions; use common multiples to express fractions in the same denomination

Statistics

Interpret and construct pie charts and line graphs and use these to solve problems

Maths *(continued)*

Number: Number & Place Value

- *Use negative numbers in context, and calculate intervals across zero*

Number: Addition, Subtraction, Multiplication & Division

- *Identify common factors, common multiples and prime numbers*

Number: Fractions

- *Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts*
- *Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions*

Ratio & Proportion

- *Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts*
- *Solve problems involving the calculation of percentages and the use of percentages for comparison*


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