

Year 5
Spring Term 2017
Curriculum Overview

Subject	Spring Term	
R.E.	<p><u>Unit D Christmas</u> This unit builds on previous work on the characters in the Christmas story. We will focus on the story from Matthew's Gospel which centres on the journey of the Wise Men and their encounter with King Herod</p> <p><u>Unit E Baptism</u> The unit explores the role of John the Baptist in the Baptism of Jesus and provides an opportunity for an in- depth study of the signs, symbols and prayers associated with the Sacrament of Baptism.</p> <p><u>Unit F Parables and the Sayings of Jesus</u> In this unit children gain a greater knowledge and understanding of the Parables of Jesus. They explore the concept of the Kingdom of God from the teachings of Jesus and ways in which Christians respond to this teaching today through their belonging to the Church.</p>	<p><u>Unit G Lent</u> This unit involves the children in thinking about the concept of 'temptation' as they study the temptations of Jesus. Children will be given the opportunity to reflect on what nurtures and damages human relationships they will study some important texts from the New Testament about Christian living and will learn about the Sacrament of Reconciliation as a Sacrament of Healing and God's forgiveness.</p> <p><u>Unit H Holy Week</u> In this unit children will gain a greater knowledge and understanding of the last week of Jesus' life and how the Church celebrates this week through liturgy and prayer.</p>
English	<ul style="list-style-type: none"> • Through drama we will study the story of Persephone. This links to our topic on Ancient Greece and will lead to writing a persuasive argument. • We will study the features of a persuasive argument eg; use of emotional language, building the case for and against the motion. • We will study the Adventures of Odysseus, in particular, The Trojan Horse, which will lead to playwriting and the revision of prepositions. • We will study the features of Science Fiction writing leading to an extended story using development of setting, character and dialogue 	<ul style="list-style-type: none"> • They will continue to develop their understanding of clauses by studying relative clauses. • They will learn how to link ideas across paragraphs. • They will continue to develop sentence structure by practising different types of sentences. • They will further their use and understanding of modal verbs. • They will further their understanding of parenthesis. • They will further their understanding of adverbials of time. • They will study the use of commas to clarify meaning.
Mathematics	<p>The children will learn and practise the following concepts;</p> <ul style="list-style-type: none"> • Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit. • Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000. • Interpret negative numbers in 	<p>Solve problems involving converting between units of time.</p> <p>Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.</p> <p>Identify 3-D shapes, including cubes and other cuboids, from 2-D representations.</p> <ul style="list-style-type: none"> • Identify multiples and factors,

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context, count forwards and backwards with positive and negative whole numbers, including through zero.

- Round any number up to 1000000 to the nearest 10, 100, 1000, 10,000 and 100,000.
- Solve number problems and practical problems that involve all of the above.
- Read Roman numerals to 1000 (M) and recognise years written in Roman numerals
- Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction).
- Add and subtract numbers mentally with increasingly large numbers.
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre.)
- Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.
- Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.
- Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and squared metres (m²) and estimate the area of irregular shapes.
- Use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation, including

including finding all factor pairs of a number, and common factors of two numbers.

- Establish whether a number up to 100 is prime and recall prime numbers up to 19.
- Divide numbers up to 4-digit by a one digit number using the formal written method of short division and interpret remainders appropriately for the context.
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
- Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3).
- Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.
- Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.
- Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.
- Add and subtract fractions with the same denominator and denominators that are multiples of the same number.
- Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.
- Read and write decimal numbers as fractions (for example, 0.71 = 71/100)
- Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.
- Read decimals with two decimal places to the nearest whole number and to one decimal place.
- Read, write, order and compare numbers with up to three decimal places.
- Recognise the per cent symbol (%) and

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	<p>scaling.</p> <ul style="list-style-type: none"> • Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles. • Draw given angles, and measure them in degrees (o) • Identify: angles at a point and one whole turn (total 360o) • Angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180o) • Other multiples of 90o • Use the properties of regular and irregular polygons based on reasoning about equal sides and angles. 	<p>understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.</p> <ul style="list-style-type: none"> • Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $1/5$, $2/5$, $4/5$ and those fractions with a denominator of a multiple of 10 or 25. • Solve comparison, sum and difference problems using information presented in a line graph. • Complete, read and interpret information in tables, including timetables
Science	<p>Earth and Space</p> <p>The children will study the following concepts:</p> <ul style="list-style-type: none"> • The names and order of the planets • Distances from the Sun • Atmospheres of the Gas Giants • Impact of meteors when colliding with planet surfaces • Moon phases • Moon orbit • How day and night are a result of the rotation of the Earth • They will know that the planets are spherical • This topic will be explored also in Art and Music 	<p>Forces</p> <p>The children will study the following concepts:</p> <ul style="list-style-type: none"> • The force of gravity to explain why objects fall. • How air resistance, water resistance and friction all act on objects to slow them down. • That levers, pulleys and gears can turn a small force into a greater force.
Computing	<p>Sounds</p> <p>The children will use the computer to create sounds for an animated piece that they have generated</p>	<p>Shape and Weather</p> <p>The children will use the computer to write simple programmes using Logo</p>
Topic (History/ Geography)	<p>History</p> <p>The children will study the Ancient Greeks. They will learn about life in Ancient Greece, religion, the legacy of the Ancient Greeks, their writing. This topic will be explored also in English, Art and Music</p>	<p>Geography</p> <p>The children will study the Water Cycle</p>
D / T		<p><u>Food technology</u></p> <p>The children will look at food hygiene and a healthy diet. They will design and make a healthy snack.</p>
PSHE	<p>Dotcom Scheme</p> <p>The children will explore themes such as: the values of true friendship, courage and kindness as opposed to bullying, gangs and not respecting others.</p>	

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Art	The children will study 3D Art. They will look at techniques used for manipulating clay. They will look at the frieze and sculpture work of the Ancient Greeks	
PE	Taught by Mr Collins	
Music	Taught by Ms J Davis	
Spanish	Taught by Senora Dormi	