

Year 4 Curriculum Overview 2022-2023



Subject	Autumn Term	Spring Term	Summer Term
<p>Maths</p>	<p>Place value – 4-digit numbers (1) Children will round numbers to the nearest 10 or 100 and count in 1000s. They will represent 4-digit numbers and use number lines. They will learn about Roman numerals.</p> <p>Place value – 4-digit numbers (2) Children will find 1000 more or less and compare numbers and order numbers to 10,000. They will round numbers to the nearest 1000 and count in 25s. Children will count back through 0 into negative numbers.</p> <p>Addition and subtraction Children will add and subtract 1s, 10s, 100s and 1000s. They will add and subtract two 4-digit numbers using the column method and learn how to find and use equivalent difference and other mental methods. Children will estimate answers to additions and subtractions and learn how to check strategies and apply their knowledge.</p> <p>Measure – perimeter Children will convert between kilometres and metres and find perimeters of shapes. They will work out missing lengths and find solutions involving perimeter.</p> <p>Multiplication and division (1) Children will multiply by and divide multiples of 10 and 100 and multiply and divide by 0 and 1. They will learn all of the times-tables from 1 – 12 and understand related multiplication and division facts. Children will find solutions to multiplication and division word problems.</p>	<p>Multiplication and division (2) Children will learn how to multiply a number using the written method and learn how to multiply and divide numbers in their heads. They will find the remainder when a number is divided and use bar models and part-whole models to solve multiplication and division problems.</p> <p>Measure – area Children will learn what ‘area’ means and find areas of shapes by counting squares. They will draw shapes with different areas and compare the area of different shapes.</p> <p>Fractions (1) Children will find the links between tenths and hundredths and identify equivalent fractions. They will simplify fractions and look at fractions that are greater than 1.</p> <p>Fractions (2) Children will learn to add and subtract fractions with the same denominator and learn to subtract a fraction from a whole number. They will understand how to find a fraction of an amount.</p> <p>Decimals (1) Children will learn about the decimal point and tenths and hundredth columns and explore tenths and hundredths as decimals. They will understand how to divide 1- and 2-digit numbers by 10 and 100 and complete calculations resulting in a decimal answer.</p>	<p>Decimals (2) Children will work out what they need to make a whole and write a decimal and represent it on a place value grid. They will compare and order decimals and round decimals to the nearest whole number. Children will learn the decimal equivalents of fractions such as $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{3}{4}$ and convert different units of measurement.</p> <p>Money Children will write money in pounds and pence, using a decimal point and order, add and subtract amounts of money. They will round money to the nearest 10p or nearest £1 and find change. Children will solve simple word problems involving money.</p> <p>Time Children will convert between units of time and write times in different ways. They will compare times by converting units and solve problems about units of time.</p> <p>Statistics Children will present data in pictograms, bar charts and tables and explore line graphs. They will solve problems based on data.</p> <p>Geometry – angles and 2D shapes Children will learn to recognise obtuse, acute and right angles and understand regular and irregular shapes. They will name and describe quadrilaterals and triangles and identify lines of symmetry in shapes and patterns.</p> <p>Geometry – position and direction Children will use numbers to say where things are on a grid and plot points on a grid. They will use their knowledge of shapes to complete diagrams and describe movements on a grid.</p>
<p>English</p>	<p>Leaf by Sandra Dieckmann F: Outsider Narrative</p>	<p>Arthur and the Golden Rope by Joe Todd-Stanton</p>	<p>The Journey by Francesca Sanna F: Refugee Narrative</p>

	NF: Information text on Polar Bears The Whale by Ethan and Vita Murrow F: Setting Narrative NF: Newspaper Report	F: Myth Narrative NF: Information: Defeating a Viking Monster The Lost Happy Endings by Carol Ann Duffy F: Twisted Narrative NF: Persuasive Letter	NF: Diary Manfish by Jennifer Berne F: Invention Narrative NF: Jacques Cousteau Biography
Science	Animals inc Humans Food chains, teeth and the digestive system Living things and their habitats Classifying animals and plants	States of matter Grouping materials as solid, liquid and gas States of matter Changes of state	Electricity Simple circuits with a switch Insulators and conductors Sound How we hear sound. Changing pitch and volume
History	Ancient Egypt (3100 BCE-332BCE) The achievements of the earliest civilizations – an overview of where and when the first civilizations appeared and a depth study of: Ancient Egypt.	The Roman Empire and its impact on Britain (43-410AD) The Roman Empire and its impact on Britain.	History of Liverpool (Local History) A study over time tracing how several aspects of national history are reflected in the locality (this can go beyond 1066).
Geography	Keeping Us Going Global trade and energy Children will learn about how energy is a key global issue and how trade connects the world.		Going with the Flow Rivers and the water cycle Children will learn about the basic principles of rivers and complete fieldwork on the River Alt.
Art	Drawing Graffiti study (Banksy and Liverpool buildings)	Painting (printing) Local artist study- Jessica Arrowsmith Stanley Stick and ink drawing and stencil making	Sculpture Paper sculptures linked to geography unit on rivers and water cycle.
DT	Mechanisms Levers and linkages Make a Greetings card with moving parts. Design – Seesaw	Food Technology Healthy and varied diet (wraps) Projects on a page. Design – Cross-sectional drawing	Structures / Electrical circuits 'Torches' - Plan bee Design – Annotated sketch
Computing	Endangered Animals (IT) (6)	My Online Life (DL) (8)	Games Designer (CS) (6)

	<p>The children will learn online research skills, create illustrations and posters to raise awareness of our planet's endangered animals. The children will also get involved with environmental campaigns. They will make a class film about how making small changes can help e.g. air pollution and turning off your engines</p>	<p>This activity takes place over the course of the term. It covers all the DFE statutory requirements for digital literacy and online safety.</p>	<p>The children will learn all about the career of games designer. They will play games, write reviews and then design and prototype their own game. Finally they will pitch their game idea to the class.</p>
Music	<p>Christmas singing-performance Children to rehearse seasonal songs and perform to a live audience with increased confidence. Sing as part of an ensemble with increasing confidence and posture. Sing 'on pitch' and 'in time'.</p>	<p>Glockenspeil- Charanga Recognise a range of musical instruments and the different sounds they make. Explore and recognise a range of musical genres. Use and understand musical language (rhythm, pulse, tempo, pitch, dynamics, timbre, duration). Develop understanding, and use of, staff notation.</p>	<p>Samba Drumming Perform increasingly challenging rhythms using untuned instruments. Play and perform in solo or ensemble contexts with increasing confidence. Listen to and recall sounds with increasing aural memory.</p>
French	<p>Presenting myself Je me presente</p>	<p>In the classroom En classe</p>	<p>The weather Quel temps fait-il?</p>
PSHE	<p>Being me in my world Why being listened to and listening to others is important.</p> <p>Celebrating Difference How first impressions can change. Why bullying might be difficult to spot.</p>	<p>Dreams and Goals Setting new goals and being resilient.</p> <p>Healthy Me Feelings of anxiety and fear associated with peer pressure and how to deal with it.</p>	<p>Relationships Ways to manage feelings after experiencing loss.</p> <p>Changing Me Changes that happen to our bodies (puberty).</p>
RE	<p>Buddhism BUDDAH'S TEACHINGS Is it possible for everyone to be happy?</p> <p>Christianity Symbolism in the Christmas story</p>	<p>Buddhism THE 8-FOLD PATH Can the Buddha's teachings make the world a better place?</p> <p>Christianity</p>	<p>Buddhism THE 8-FOLD PATH What is the best way for a Buddhist to lead a good life?</p> <p>Christianity</p>

		How Jesus's life, death and resurrection teaches about forgiveness	The importance of going to church
PE	<p>Basketball To pass, dribble, throw and catch under pressure and apply this to games</p> <p>Indoor athletics To be able to jump and throw using a variety of techniques</p> <p>Hockey To pass and dribble with control under pressure, using simple tactics to keep possession</p> <p>Funda Health Education, Movement and Fitness</p>	<p>Funda Principles, tactics, attacking and defending</p> <p>Swimming To use a range of strokes with increasing confidence and proficiency</p>	<p>Funda Physical Competitions and challenges</p> <p>Gymnastics To perform a sequence with a partner that includes balances and synchronised elements</p> <p>Funda Outdoor adventure and active learning</p> <p>Dance Contemporary To respond imaginatively to a range of stimuli related to character or narrative</p>

For more detail on curriculum coverage please see individual subject overviews.