

Curriculum Overview – Oak Class: Autumn 1 2024

Maths	<u>Place Value</u>	<p>Year 5 and 6: The children will read, write, order and compare numbers to 1 million and beyond and determine the value of each digit. Count forwards or backwards in steps of powers of 10. Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero. Round any number up to 1 000 000. Read Roman numerals to 1000.</p> <p>Year 4: The children will find 1000 more or less than a given number. Count backwards through zero to include negative numbers. 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. Roman numerals to 100.</p>
	<u>Addition and Subtraction</u>	<p>Year 5 and 6: The children will add and subtract whole numbers with more than 4 digits, including using formal written methods (column addition and subtraction). Add and subtract numbers mentally with increasingly large numbers. Use rounding to check answers to calculations. Solve addition and subtraction multi-step problems in a variety of contexts. Use estimation to check answers to calculations.</p> <p>Year 4: The children will 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.</p>
	<u>Fractions</u>	<p>Year 5 and 6: The children will find equivalent fractions. Simplify, order and compare given fractions. Convert improper fractions to mixed numbers and vice versa. Add and subtract fractions by finding common denominators.</p>

English	<p><u>Non- Fiction – Non-Chronological reports.</u></p> <p><u>Fiction – Diary writing, setting descriptions, stories with dialogue.</u></p> <p><u>Guided reading – Reading comprehension.</u></p>	<p>The children will listen to our class text, The Boy at The Back of The Class. The story explores the experiences of a child refugee starting school in England and striking up friendships with members of his class. The children will be writing diary entries and stories with dialogue based on the text. They will also be writing setting descriptions and non-chronological reports</p> <p>The children will learn spelling, grammar and punctuation from the year 4, 5 and 6 national curriculum programme of study.</p> <p>The children will develop their reading comprehension skills through guided reading and completing activities relating directly to the book which they are reading. This will aid understanding and encourage inference.</p>
Science	<p><u>Forces</u></p>	<p>We will identify forces as pushes and pulls and explore how things move on different surfaces. Year 4's will learn about the origins of magnets and find out about attraction and repulsion by magnetic forces and which materials are magnetic. They will look at compasses and uses of magnets and carry out some enquiries using magnets.</p> <p>Year 5 & 6 will be thinking about types of forces such as gravity, friction, water resistance and air resistance. They will also learn about the use of mechanisms such as levers, gears and pulleys. The children will identify forces and find out about Isaac Newton and his discoveries about gravity. The children will carry out investigations to look for patterns between the mass and weight of objects, using newton meters to measure the force of gravity. They will also work collaboratively to investigate air and water resistance, participating in challenges to design the best parachute and boat. During some of the practical science work, the children will discuss how variables other than the one being tested can be kept the same to help make a test fair.</p>
Geography	<p><u>Investigating Rivers</u></p>	<p>This term in Geography we will learn about the water (hydrological) cycle. We will be finding out about rivers and how they erode, transport and deposit materials, why rivers are important and the causes of river pollution and effect on environment. Finally we will carry out a geographical enquiry on The River Nile including the effects on environment and local landscape.</p>

French	<u>Introducing Me</u> <u>Days of the Week</u> <u>Numbers 0-12</u> <u>Weather</u>	Children will use spoken French to meet and greet others; respond appropriately when register is called; begin to recognise, use numbers to 60. We will be singing songs and playing games to ask and answer questions about name, age and where we live, and to learn days of the week. We will read and listen to the story of The Very Hungry Caterpillar in French. The children will learn how to describe the weather.
	<u>Netball</u>	In preparation for the EVSP netball competition this term we will be practising our netball skills. We will be practising our throwing & catching & how to apply tactics according to need. We will learn and play different positional roles in netball and learn what we need to do to improve.
PE	<u>Football</u>	In football we will be practising ball handling skills and thinking about awareness of space & others. We will practice kicking a football accurately with good technique. We will apply dribbling & passing skills in small sided competitive games.
Art	<u>Collage</u>	This half term we will be exploring collage and building on our previous collage skills. We will look at the work of a range of collage artists and their use and placement of materials. We will look at different materials and how they can be used for different purposes and experiment with different textures, man-made and natural, to create specific effects. We intend to link this to our rivers work in Geography by producing a rivers/ water inspired collage using paper, plastic, card, fabric, cotton wool, feathers and leaves among other materials. We will also be using collage in our Christmas card designs this year.
RE	<u>Hope</u>	The children will be learning about the Christian value of Hope. They will listen to Bible stories that teach us to be hopeful for the future. They will think about their hopes for themselves and the wider world.
	<u>Life as a journey</u>	The children will answer the following questions: <ul style="list-style-type: none"> • Life is a journey. Do you agree? Why? • In what ways can life be compared to a journey? • In what ways does having faith give meaning and purpose to the journey of life? • Is choosing to journey through life as a Christian an easy option? Why? Why not? • Is every person's journey the same? Why not? • Why do people go on a pilgrimage? • Does a pilgrimage have to be to a place of worship?

Computing	<u>Coding</u>	<p>We will be using Purple Mash as a platform to explore and deepen our understanding of coding. Our children will be able to understand what coding means in computing and use code to make a computer program. Throughout this learning they will learn about objects, actions and events and use an event to control an object. The children will learn how to can modify the attributes of an object and a button to fit their program design and understand how to use the repeat command. We will introduce selection in computer programming and learn how IF and IF/ELSE statements works. We will start to understand how to use friction in code and begin to understand what a function is and how functions work in code.</p>
PSHE	<u>Me and My Relationships</u>	<p>Through the 'SCARF' materials, the children will be learning about themselves and their relationships. They will be learning how to identify their own feelings, behaviours and needs, and what to do if they need help with them. They will identify ways to build positive relationships and the importance of collaboration.</p>