

Curriculum Overview – Oak Class: Autumn 2 2024

RE	<u>'Thankfulness'</u>	The children will be learning about the Christian value of Thankfulness. They will be exploring Bible stories that teach about being grateful for everything they have. They will look at ways in which they can say thank you, and think of how we can help others who are in need.
	<u>Christmas Journeys</u>	Continuing from our previous unit of 'Life as a Journey', we will look at the Journey that Mary and Joseph had to take from Nazareth to Bethlehem. The children will explore how the significant people from the Christmas story would have felt as they made their journeys, and reflect on how they would feel if they had to make a journey like this.
Maths	<u>Multiplication and division</u>	<p>Year 5 and 6: The children will be able to identify factors and multiples of given numbers, as well as primes to 100 and square and cube numbers. They will develop formal written methods for multiplying by 1 and 2 digit numbers. They will divide numbers by 1 and 2 digits using short and long division and give answers with remainders, decimals and fractions. They will investigate the order of operations and solve problems involving multiplication and division.</p> <p>Year 4: The children will begin to recall multiplication and division facts for multiplication tables up to 12×12. They will use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1, and multiplying together 3 numbers. They will recognise and use factor pairs and commutativity in mental calculations. They will multiply two-digit and three-digit numbers by a one-digit number using a formal written method. They will solve problems involving multiplying and dividing.</p>
	<u>Fractions</u>	Year 5 and 6: The children will find fractions of amounts, and whole amounts given a fraction. They will multiply fractions by whole numbers and fractions and divide proper fractions by whole numbers. They will learn how to simplify fractions and solve problems and challenges involving calculating with fractions.
	<u>Perimeter, Area and Volume</u>	Year 5 and 6: The children will measure and calculate the perimeter of composite rectilinear shapes. They will calculate and compare the area of rectangles (including squares) using standard units, and estimate the area of irregular shapes. They will recognise that shapes with the same areas can have different perimeters and vice versa. They will calculate the area of parallelograms and triangles. They will estimate

		<p>volume and recognise when it is possible to use formulae for area and volume of shapes.</p> <p>Year 4: The children will be calculating the area of shapes by counting squares. They will compare the area of shapes and create rectilinear shapes using squares.</p>
	<u>Position and direction-coordinates</u>	Year 4, 5 and 6: The children will interpret and draw coordinates in all four quadrants. They will recognise and create reflections and translations of shapes on a co-ordinate grid.
English	<u>Non- Fiction – Letters</u>	<p>The children will continue to 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 formal letters based on the text. They will write a story containing dialogue inspired by the story of the characters in the book.</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 be learning their lines and preparing to perform in our annual Nativity play.</p> <p>The children will develop their reading comprehension skills through guided reading and completing activities relating directly to the text which they are reading. This will aid understanding and encourage inference.</p>
	<u>Fiction – Stories containing speech</u>	
	<u>Speaking and Listening</u>	
	<u>Guided reading – Reading comprehension.</u>	
Science	<u>Light</u>	<p>We will be developing expert knowledge about light and shadows. We will be asking what light is, how it travels and what we need in order to see objects in a dark place. We will investigate the strange world of mirrors and discover what happens to writing in a mirror, how we can use mirrors to make objects multiply and how they can help you see round corners. The children will discover how shadows are made and investigate how changing the orientation of an object or the material it is made from can affect the nature and shape of the shadow. We will use our expert knowledge to investigate and solve a crime and tackle the mystery of the West Hollow High School laptop thief?</p>

History	<u>Mayans</u>	We will learn all about the ancient Maya civilisation. The children will learn who the ancient Maya people were and where and when they lived. They will use maps and atlases to locate Maya cities and identify countries in Mesoamerica. In addition to this they will learn about the religious beliefs and rituals of the ancient Maya people and find out more about some of the many gods they worshipped. The children will also learn about the Maya number system and have the opportunity to read and write Maya numbers and solve number problems. They will learn about the Maya writing system too and practise writing words using logograms and syllabograms in the hieroglyphic style of the ancient Maya people. The children will learn about the work of the explorers John Lloyd Stephens and Frederick Catherwood and have the opportunity to analyse historical pictures of the cities they discovered. They will also learn about the types of food eaten by the ancient Maya people and they will find out about the significance of corn and chocolate, arguing which was most important in a class debate.
Music	<u>Nativity music</u>	The children will be learning to sing the songs for our Nativity performance. They will be thinking about performing the songs for an audience, adding in musical instruments to enhance their performances.
PE	<u>Tag Rugby</u>	Gary from the Eden Valley Partnership will be coming to teach the children the invasion game of tag rugby. The children will be developing their skills in communication, passing and throwing. They will practise the rules of tag rugby as an invasion game. They will develop their teamwork skills and work together when competing.
	<u>Dance</u>	The children will be learning some country dancing sequences in their PE lessons. The children will choreograph their own country dances using the steps and patterns they have learnt. They will reflect on, evaluate and improve their dances, and perform them to the rest of the class.

DT	<u>Moving Toys</u>	We will be using our knowledge from last half term's science on forces to explore and use simple mechanisms in our own designs. Our classroom will become a toy workshop as your class investigate cam mechanisms and toys that contain them. We will discover how different shaped cams can alter the movement of the follower and how to create a sturdy structure using a variety of tools and techniques. Our toymakers will then have the chance to design, make and evaluate their own moving toy with a cam mechanism.
Computing	<u>Online Safety and Spreadsheets</u>	<p>Online Safety - Children explore secure passwords and the importance of confidentiality. They will learn about referencing sources in their work and learn about the validity of information that can be found on the internet.</p> <p>Spreadsheets - Children will learn to create formulae to model and solve a problem. They will then use their spreadsheet skills to plan out a cake sale.</p>
PSHE	<u>Valuing Difference</u>	Through the 'SCARF' materials, the children will be learning about the things they have in common with others and the differences. They will be learning how to value everyone as an individual with unique personalities and skills. They will learn to recognise prejudice-based bullying and understand how empathy can make us more tolerant. They will identify ways in which they can help if they see this bullying taking place.