Curriculum Overview – Years Oak Class: Spring 1 2025

Maths – Year 5&6	Decimals	Children will: Identify the value of each digit in numbers given to 3 decimal places and multiply numbers by 10, 100 and 1,000 giving answers up to 3 decimal places. Round decimals and solve problems involving rounding. Multiply one-digit numbers with up to 2 decimal places by whole numbers. Use written division methods in cases where the answer has up to 2 decimal places.
	Percentages	Children will: Solve problems involving the calculation of percentages and the use of percentages for comparison. Recall equivalences between simple fractions, decimals and percentages.
	Algebra	Children will: Use simple formulae. Generate and describe linear number sequences. Express missing number problems algebraically. Find pairs of numbers that satisfy an equation with two unknowns. Enumerate possibilities of combinations of two variables.
	Measure – converting units	Children will: 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, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3dp. Convert between miles and kilometres.

Maths – Year 4	**Fractions and Decimals**	Children will: Recognise and show, using diagrams, families of common equivalent fractions. Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10. Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number. Add and subtract fractions with the same denominator. Recognise and write decimal equivalents of any number of tenths or hundreds. Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$. Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. Round decimals with 1 decimal place to the nearest whole number. Compare numbers with the same number of decimal places up to 2 decimal places. Solve simple measure and money problems involving fractions and decimals to 2 decimal places.
English	**Writing – Newspaper reports, informal letters and diary entries**	We will finish reading The Boy at the Back of the Class and start our new book: Street Child. Street Child explores life in Victorian London for a poor boy living on the streets. We will use our class text as the inspiration for our written work, writing newspaper reports, informal letters and diary entries this half term. The children will be following the year 5/6 curriculum for grammar.
	Guided reading – Reading comprehension.	The children will develop their reading comprehension skills through guided reading and completing activities relating directly to the text. This will aid understanding and encourage inference, evidence finding and evaluation.

Science	<u>**Space**</u>	Galileo Galilei needs our help to prove that the Earth moves round the sun; that the moon moves around the Earth; and that the seasons and day & night are all a consequence of these movements. He needs Oak Class to provide experimental evidence, not just current astrological thinking. During the course of this exciting and busy topic we will suggest enquiry questions to back up a series of statements about the Earth, Sun and Moon, use fruit to create a model of the solar system, calculate scales and ratios for a model of the solar system, research data about the planets, build an orrery of our solar system, carry out shadow investigations that help support the idea that the Earth moves on its axis, observe, measure and identify patterns in changing shadows across a day, record a working model of a 'shadow clock' offering observations and scientific explanation and finally match lunar phases to relative positions of the Moon, Sun and Earth
Geography	<u>**United Kingdom**</u>	This half term we will be learning about the United Kingdom, including comparing and contrasting the different countries of the UK, identifying where we live in the UK and locate the UK's major cities. We will then identify physical characteristics of the United Kingdom and think about how people have affected the United Kingdom's landscape. Finally, we will learn about the sorts of industries in which people in the United Kingdom work and the different types of energy sources used in the United Kingdom and evaluate the advantages and disadvantages of wind energy
French	<u>**Days of the week, numbers 0-20 and our families**</u>	The children will learn the numbers from 0-20 in French. They will be able to talk about members of their family and what they are like. We will learn through playing games and singing songs in French.
PE	<u>**Hockey**</u>	The children will be developing the skills used in invasion games through the game of Hockey. They will be learning to pass, shoot and dribble the ball with accuracy. They will understand the importance of teamwork and communication in sport.
	<u>**Gymnastics**</u>	The children will be developing their skills in body management, movement and balance. They will prepare routines to perform in class P.E. lessons, and a team will be selected to compete in the upcoming inter school gymnastics competition.

Art	**Printing**	We will use our work on Space in Science as a stimulus to explore a range of printing techniques. We will make simple block prints with cardboard and foam as well as exploring using polystyrene printing blocks which will allow us to experiment with creating different lines and tones by using a variety of drawing implements e. g, a sharp pencil, pen, rubbing with fingers and palm of hand. Finally, we will have a go at making lino prints.
RE	**Friendship**	The children will be learning about the Christian value of Friendship. We will be exploring how the qualities of friendship are demonstrated through Bible stories. We will be thinking about how we can be a good friend to others.
	Jesus the Teacher: The man who changes lives	The children will be answering the following key questions: • Why did Jesus tell his stories? • What can we learn from his stories? • How did Jesus change lives? • When did/does Jesus change lives? • How do his stories impact on the lives of believers?
Computing	**Spreadsheets and Databases**	Children will learn how to create formulae to model and solve a given problem including using text variables. They will then use their spreadsheet skills to plan out a cake sale. After searching for information in a database, children will contribute to a collaborative database before creating one of their own to test out on their friends.
PSHE	**Keeping Safe**	Through the 'SCARF' materials, the children will be learning how to keep themselves safe in a variety of different situations, including online. They will explore the consequences of taking risks and learn where to go for support in difficult situations. They will also look at habits and decide which are safe and which are unsafe, including the risks associated with smoking, vaping and drinking alcohol.