Year 5 Curriculum Plan   **Academic Year 2023-2024**

Subject	Autumn Term	Spring Term	Summer Term
English	**Issues and dilemmas** The students will study and explore the texts 'Different' and 'Bully' and understand the themes that are presented. They will look at stylistic features and as a result draft and edit their own narrative based around one of these texts. **Recounts** In studying the topic of 'recounts' students will understand the key features of this type of writing and as a result draft a recount of a 'dreadful' trip to a restaurant. **Poetry** During this topic students will focus on the poet Rachel Rooney and from this watch and understand performance poetry. They will have the opportunity to perform and read their own poems and chosen poetry to an audience. **Modern fiction** In the lead up to Christmas the students will have the opportunity to create their own fictional Christmas story based around a popular children's story and advertisement. They will incorporate the use of a range of stylistic features to make their story complete.	**Faraway Fiction** Students will study the text 'Mufaro's beautiful daughters' an African tale where they will identify stylistic features and explore imagery and as a result make inferences. In doing this, students will have the opportunity to plan, draft and edit their own African tale. **News reports and journalistic writing** The students will read, discuss, and understand the features of a news report. They will learn about the tone of news reports as well as 'bias'. They will be able to create a special one-off news report that they will interdependently plan, rehearse and record for the camera as a finished outcome. **Non-fiction report** The students will draft a non-fiction report about a made-up animal, based around the text 'The Sneaglegator' using their creativity and imagination to capture the reader's attention. **Poetry** The students will explore a range of different types of poetry, focusing on famous poets and from this, recognise how poets use poetry as a voice to express their own feelings and views. Children will draft their own versions of poems, using their own experiences and interests.	**Short scary stories** This topic allows students to 'think outside of the box' and develop their skills of inference further. By watching a range of different short films all with a 'scary' undertone students will become familiar with the stylistic features used and be able to plan, draft and edit their own story based on the theme of 'The 13th floor'. **Persuasion and complain writing** The focus of this unit is to get students to know the features of persuasion and complaint writing so that they understand the underlying need for 'tone'. Students will be developing and extending their growing vocabulary in these topic areas, choosing words appropriately to influence the reader and get their point across. **Poetry** The students will read a range of different poems and will be able to identify features such as similes, onomatopoeia, metaphors and hyperboles. They will read the poems 'Great Day' by Michael Rosen and 'If' by Rudyard Kipling, gaining inspiration from these famous poets, drafting their own.

Maths			
	Place Value The students will develop their understanding and represent numbers to 1,000,000. Study roman numerals, partition numbers, compare, order and round to the nearest. **Addition and subtraction** The students will learn formal methods for adding and subtraction 4-digit numbers with exchange. Mental strategies, inverse operations as well as multi-step problems, comparing calculations and finding missing numbers. **Multiplication and division A** The students will develop their understanding of multiplication by 10 100 1000 and learn to multiply three numbers. Studying multiples and common multiples, factors and common factors, as well as prime, square and cubed numbers. **Fractions A** Finding fractions and their equivalents – unit and non-unit fractions. Converting improper and mix number fractions. Compare and order fractions and use addition and subtraction with fractions.	**Multiplication and division B** Multiply a multiple digit number to another multiple digit number, solving problems using multiplication, effective division strategies including short division, dividing with remainders and problem solving. **Fractions B** Multiplying unit and non-unit fractions by an integer. Students will study fractions of a quantity and fractions of amounts. Find the whole as well as using fractions as operators. **Decimals and Percentages** Students will study decimals to the thousandth. Thousandths as decimals and as fractions as well as recognising the thousandth on a place value chart. Order and compare decimals and round to the nearest unit and whole number. Students will also understand percentages, percentages as fractions and percentages as decimals and find equivalents of fractions decimals and percentages. **Perimeter and Area** Perimeter of rectangles, rectilinear shapes and polygons. Area of rectangles and compound shapes as well as learning the ability to estimate area. **Statistics** Drawing, reading and interpreting line graphs. Reading and interpreting tables, as well as two-way tables and timetables.	**Shape** Understand and use degrees. Classify and estimate angles as well as measuring angles up to 360 degrees. Students will draw lines and angles accurately and be able to calculate angles around a point. Lengths and angles in shapes as well as regular and irregular polygons and even 3D shapes. **Position and direction** Read, plot and problem solve coordinates. Translation and translating coordinates, lines of symmetry and reflection in horizontal and vertical lines. **Decimals** Addition and subjections of decimals within and across 1. add and subject decimals with the same and different number of decimal places. Students will study effective strategies when adding and subtracting decimals. Decimal sequences, multiplying and dividing decimals by 10 100 and 1000 as well as missing values. **Negative Numbers** Understanding negative numbers and counting through zero in 1 and multiples. Compare and order negative numbers as well as finding the difference through problem solving misconceptions. **Converting Units** Millimetres and millilitres, Convert units of length, convert between metric and imperial units, convert units of time and calculate with timetables. **Volume** Cubic centimetres, compare and estimate volume and capacity.

Science	**Properties and their materials** This 'Properties and Changes of Materials' unit will include learning about different materials, their uses and their properties. The students will work scientifically and collaboratively to investigate the best thermal insulator to make a lunch box, making predictions and forming conclusions.	**Earth and Space** This unit is the only Astronomy related science unit in the primary science curriculum. The aim is to give students a basic overview of Earth and its place in our Solar System. They will be able to describe the Sun, Earth and Moon, name the planets in the solar system independently, distinguish between heliocentric and geocentric ideas of planetary movement and scientifically distinguish between day and night. **Forces** This 'Forces' unit will include types of forces such as gravity, friction, water resistance and air resistance. Students will also learn about the use of mechanisms such as levers, gears and pulleys. Students will find out about Isaac Newton, understand air resistance and friction as well as participate in challenges to design the best parachute.	**Living things and their habitats** This 'Living Things and Their Habitats' unit will include the process of reproduction and the life cycles of plants, mammals, amphibians, insects and birds. The students will explore reproduction in different plants, including different methods of pollination and asexual reproduction. They will explore metamorphosis in insects and amphibians, comparing their different life cycles. **Skills Based Science review of:** Fair testing Identifying variables Planning, conducting and observing tests as well as correctly recording/ interpreting DATA using charts and tables. Pulleys, leavers and gears and forces.
Topic	**The Romans** Students will find facts about Ancient and Modern Rome. They will explore the different Roman leaders and Gods, discovering historical facts and beliefs. They will also learn about Roman inventions and find out about the downfall of the Roman empire. **Natural Disasters** Students will learn about Pompeii and Herculaneum, they will find out about volcanoes, plate tectonics and research the ring of fire and earthquakes. Students will also conduct an independent line of inquiry finding out about Tsunamis and an extra natural disaster-culminating in a presentation display.	**The Vikings** This topic will see students ask many questions and use a range of resources to answer historical questions, such as- Who were the Vikings? What did they eat? Where did they live? Within the Vikings topic students will learn key facts and research the impact of this period on Britain's settlement. **Water, Rivers and Coasts** Students will research and identify the features of rivers' upper, middle and lower course. They will understand the process of the water cycle, locate important rivers around the world and understand the effects of erosion and deposition. Furthermore, they will identify the key features of coastlines.	**Rainforests** Students will identify regions of the world where tropical rainforests are located and identify key rainforests on different continents. They will identify the different layers of the rainforests and investigate and describe the climate needed for tropical rainforest eco-systems to thrive. Within this topic students will be able to enjoy researching about a chosen rainforest animal and understand what is meant by the term 'indigenous'. **The Maya** In completing this topic students will discover facts about The Maya civilization. They will understand the religious beliefs of The Maya people and know how and when they worshipped. Through research and discussions children will find out about some of the main Gods and what they represented to the people.