

Year 4 core subject coverage 2020-2021

Mathematics	Literacy	Science
<p><u>Number: Place Value</u></p> <ul style="list-style-type: none"> Recognise and represent numbers up to 10,000 Rounding numbers to the nearest 10's, 100's and 1000's. Find 1, 10, 100 more or less. Count in 1000's, 25's Order numbers Compare 4 digit numbers Negative numbers Roman numerals Use place value and number facts to solve problems. <p><u>Addition and subtraction</u></p> <ul style="list-style-type: none"> Adding and subtracting two 3 and 4 digit numbers without exchanging. Adding and subtracting two 3 and 4 digit numbers using exchanging. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. Solve one-step problems with addition and subtraction, using a range of methods. Efficient subtraction. Estimating answers. <p><u>Length and perimeter</u></p> <ul style="list-style-type: none"> Equivalent lengths- m, cm, mm. Measuring length-using Kilometres. Adding and subtracting lengths Measuring the perimeter of shapes. <p><u>Multiplication and Division</u></p> <ul style="list-style-type: none"> Multiplying and dividing by 10, 100, 1, 0, 3, 6, 9 and 7. 	<p><u>Reading</u></p> <ul style="list-style-type: none"> Apply a growing knowledge of root words, prefixes and suffixes. Read further exception words, noting the spellings. Draw inferences from reading. Recall and summarise main ideas. Discuss words and phrases that capture the imagination. Retrieve and record information^{set} from non-fiction, using titles, headings, sub-headings and indexes. Draw inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence. Ask questions to improve understanding of a text. <p><u>Writing</u></p> <ul style="list-style-type: none"> Write sentences that include: conjunctions, adverbs, direct speech is punctuated correctly, uses clauses and adverbial phrases. Use prefixes and suffixes, and understand how to add them. Use a mixture of simple, compound and complex sentences. Create characters, settings and plots. Use the main features of a type of writing (identified in reading). 	<p><u>Working scientifically</u></p> <ul style="list-style-type: none"> Ask relevant questions Set up simple practical enquiries, comparatives and fair tests. Make accurate measurements using standard units with a range of equipment. Gather, record, classify and present data in a range of ways to help in answering questions. <p>To understand animals and humans</p> <ul style="list-style-type: none"> Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions. Construct and interpret a variety^{set} of food chains, identifying producers, predators and prey. <p>States of matter</p> <ul style="list-style-type: none"> Compare and group materials together, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled, and measure^{set} the temperature at which this happens in degrees Celsius (°C), building on the teaching^{set} in mathematics. Identify the part played by evaporation and condensation in the water cycle, and associate the rate of evaporation with temperature.

