

Mathematics	Literacy	Science
<ul style="list-style-type: none">● To read, write, order and compare numbers at least to 10,000,000 and determine the value of each digit.● To round any whole number to a required degree of accuracy.● To solve number problems and practical problems that involve all of the above.● To perform mental calculations, including with mixed operations and large numbers.● To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.● To perform mental calculations, including with mixed operations and large numbers.● To identify common factors, common multiples and prime numbers.● To solve problems involving addition, subtraction, multiplication and division.● To multiply multi-digit numbers up to 4 digits by a two-digit whole number using the efficient written method of long multiplication.● To divide numbers up to 4 digits by a two-digit whole number using the efficient written method of long division, and interpret remainders as whole number remainders, fractions or by rounding, as appropriate for the context.● To solve problems involving addition, subtraction, multiplication and division.● To compare and order fractions whose denominators are all multiples of the same number● To use common factors to simplify fractions; use common multiples to express fractions in the same denomination.● To add and subtract fractions with the same denominator and denominators and denominators that are multiples of the same number.● Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.● To divide proper fractions by whole numbers.● To 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 three decimal places.● To convert between miles and kilometres.	<p>Fiction</p> <p>Check that the book makes sense, discussing understanding and exploring the meaning of words in context.</p> <p>Recommend books to peers, giving reasons for choices.</p> <p>Identify and discuss themes and conventions in and across a wide range of writing.</p> <p>Draw inferences such as inferring characters’ feelings, thoughts and motives from their actions, and justifying inferences with evidence.</p> <p>Predict what might happen from details stated and implied.</p> <p>Identify the audience for writing.</p> <p>Choose the appropriate form of writing using the main features identified in reading.</p> <p>Note, develop and research ideas.</p> <p>Plan, draft, write, edit and improve.</p> <p>Use the techniques that authors use to create characters, settings and plots.</p> <p>Interweave descriptions of characters, settings and atmosphere with dialogue.</p> <p>Argument</p> <p>Summarise the main ideas drawn from more than one paragraph, identifying key details that support the main ideas.</p> <p>Identify how language, structure and presentation contribute to meaning.</p> <p>Discuss and evaluate how authors use language, including figurative language, considering the impact on the reader.</p> <p>Retrieve and record information from non-fiction.</p> <p>Identify the audience for writing.</p> <p>Choose the appropriate form of writing using the main features identified in reading. Note, develop and research ideas.</p> <p>Plan, draft, write, edit and improve.</p> <p>Guide the reader by using a range of organisational devices, including a range of connectives.</p> <p>Choose effective grammar and punctuation and propose changes to improve clarity.</p> <p>Ensure correct use of tenses throughout a piece of writing.</p>	<p>This term, the children will be learning about Light.</p> <p>Recognise that light appears to travel in straight lines.</p> <p>Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye</p> <p>Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes</p> <p>Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.</p>
		<p>The children might work scientifically by:</p> <p>Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary</p> <p>Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate</p> <p>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs</p> <p>Using test results to make predictions to set up further comparative and fair tests</p> <p>reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations</p> <p>Identifying scientific evidence that has been used to support or refute ideas or arguments.</p>