

<p style="text-align: center;"><b><u>Mathematics</u></b></p> <p>The children will continue to develop their mathematical skills and understanding in all areas of the mathematics curriculum. They will have four maths lessons a week and one 'Big Maths' session where they are grouped from Year 2 upwards according to ability. The children will also work towards achieving their times table target for this half term.</p> <p><b>Measuring</b></p> <ul style="list-style-type: none"> <li>To measure, compare, add and subtract: lengths (m/cm/mm); mass (g/kg); volume/capacity (l/ml)</li> <li>To measure the perimeter of simple 2D shapes.</li> <li>To convert between different units of measurement.</li> <li>To measure and calculate the perimeter of rectilinear figure (including squares) in centimetres and metres.</li> <li>Solve problems involving converting hours to minutes; minutes to seconds; years to months; weeks to days.</li> </ul> <p><b>Number, place value and rounding</b></p> <ul style="list-style-type: none"> <li>To count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number.</li> <li>To recognise the place value of each digit in a three/four -digit number (thousands, hundreds, tens, ones).</li> <li>To compare and order numbers up to and beyond 1000.</li> <li>To identify, represent and estimate numbers using different representations.</li> <li>To read and write numbers up to 1000 in numerals and in words.</li> <li>To find 1000 more or less than a given number .</li> <li>To round any number to the nearest 10, 100 or 1000.</li> <li>To solve number and practical problems that involve all of the above and with increasingly large positive numbers.</li> <li>To read Roman numerals to 100 (I to C) and</li> </ul>	<p style="text-align: center;"><b><u>Literacy</u></b></p> <p>The children will cover the following objectives through their work on information texts (recounts and non-chronological reports) and narrative. The work, where possible and appropriate, will be linked to The Egyptians.</p> <ul style="list-style-type: none"> <li>Draw inferences from reading.</li> <li>Predict what might happen from details stated and implied.</li> <li>Recall and summarise main ideas.</li> <li>Draw inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence.</li> <li>Retrieve and record information from non-fiction, using titles, headings, sub-headings and indexes.</li> <li>Identify main ideas drawn from more than one paragraph and summarise these.</li> <li>Use the main features of a type of writing.</li> <li>Compose and rehearse sentences orally.</li> <li>Plan, write, edit and improve.</li> <li>Use connectives that signal time, shift attention, inject suspense and shift the setting.</li> <li>Sequence paragraphs.</li> <li>Organise paragraphs around a theme.</li> <li>Use techniques used by authors to create characters and settings.</li> <li>Write sentences that include conjunctions, adverbs, direct speech, clauses and adverbial phrases</li> <li>Use a mixture of simple, compound and complex sentences.</li> <li>Extend the range of sentences with more than one clause by using a range of conjunctions, e.g. when, if, because, although.</li> <li>Use fronted adverbials</li> <li>Use commas after fronted adverbials.</li> <li>Join letters, deciding which letters are best left un-joined.</li> <li>Make handwriting legible by ensuring down strokes</li> </ul>	<p style="text-align: center;"><b><u>Science</u></b></p> <p><b>The children will complete the next science topic called 'States of Matter.' They will:</b></p> <ul style="list-style-type: none"> <li>Compare and group materials together, according to whether they are solids, liquids or gases.</li> <li>Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</li> <li>Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C).</li> <li>Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</li> </ul> <p><b>The children might work scientifically by:</b></p> <ul style="list-style-type: none"> <li>Identify differences related to simple scientific ideas.</li> <li>Present data in a variety of ways.</li> <li>Set up simple scientific enquiries.</li> <li>Record findings using simple scientific language and labelled diagrams.</li> <li>Use straightforward scientific evidence to answer questions.</li> <li>Make systematic and careful observations, using a range of equipment including thermometers and data loggers.</li> <li>Ask relevant questions and use scientific enquiries to answer them.</li> </ul>
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<p>understand how, over time, the numeral system changed to include the concept of zero and place value.</p> <p><b>Adding and Subtracting</b></p> <ul style="list-style-type: none"> <li>• To add and subtract numbers with up to three/four digits, using the efficient written methods to columnar addition and subtraction.</li> <li>• To estimate the answer to a calculation and use inverse operations to check answers.</li> <li>• To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</li> <li>• To solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</li> <li>• To estimate, compare and calculate different measures, including money in pounds and pence.</li> </ul> <p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>• To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>• To write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two digit numbers and one-digit numbers, using mental and progressing to written methods.</li> <li>• To multiply 2 and 3 digit numbers by a one digit number using a formal written layout.</li> <li>• To recognise and use factor pairs and commutativity in mental calculations.</li> <li>• To solve problems, including missing number problems, involving multiplication and division, and including integer scaling problems and correspondence problem sin which n objects are connected to m objects.</li> </ul>	<p>of letters are parallel and letters are spaced appropriately.</p> <ul style="list-style-type: none"> <li>• Spell correctly often misspelt words</li> <li>• Use the perfect form of verbs to mark relationships of time and cause.</li> <li>• Use and punctuate direct speech.</li> <li>• Read aloud writing to a group or whole class, using appropriate intonation.</li> <li>• Spell correctly often misspelt words</li> <li>• Create characters, settings and plots.</li> <li>• Use a range of descriptive phrases including some collective nouns.</li> </ul>	
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