

Mathematics

- 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 use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.
- To illustrate and name parts of circles, including radius, diameter and circumference.
- To recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.
- To solve problems involving the calculation and conversion of units of measure, using decimal notation to three decimal places where appropriate.
- 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

Literacy

This term, children will be studying WW2 through reading the class novel 'Carrie's War' by Nina Bawden. They will also be doing cross curricular writing based on their geography topic on Brazil (this will include character descriptions of mythical Brazilian characters, writing their own myths, creation stories and recounts).

They will learn to:

- Make comparisons within and across books and stories.
- Participate in discussion about books, taking turns and listening and responding to what others say.
- To predict what might happen from details stated or implied.
- Participate in discussion about books, taking turns and listening and responding to what others say.
- To write with purpose.
- Identify an audience for writing.
- Choose the appropriate form of writing
- Note, develop and research ideas.
- Plan, draft, edit, rewrite and improve.
- Draw inferences such as inferring characters' feelings, thoughts and motives from their actions and justifying

Science

Properties and changes in materials

In this unit the children will learn to:

- Understand that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.
- That some changes of state and dissolving and mixing processes can be reversed through filtering, sieving and evaporating.
- Explain that some changes form new materials, and that these changes are not usually reversible.
- That new materials, and that these changes are often not reversible.
- Explain that some changes, caused by heating or cooling form new materials, and that these changes are often not reversible.
- Explain that changes caused by burning form new materials, and that these changes are not reversible.
- Compare and group together everyday materials on the basis of their properties. To compare and group together everyday materials on

<p>using decimal notation to three decimal places.</p> <ul style="list-style-type: none">• To convert between miles and kilometres.•	<p>inferences with evidence.</p> <ul style="list-style-type: none">• Use and understand grammatical terminology when discussing writing and reading.• Use the techniques that authors use to create characters, setting and plots.• Use both familiar and new punctuation correctly in writing.• Write about more than one idea.• Organise paragraphs around a theme and sequence paragraphs.• Write paragraphs that give a sense of clarity.• Interweave descriptions of characters, settings and atmosphere with dialogue.• Identify recurring themes and elements of different stories and identify and discuss themes and conventions in and across a wide range of writing.	<p>the basis of their properties.</p> <ul style="list-style-type: none">• Give reasons based on evidence from comparative and fair tests, for the particular uses of everyday materials.
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