

Numeracy and Primary Maths

The overarching aim of primary mathematics is to foster a fluency in the fundamentals of mathematics: developing children's numeracy, mathematical recall and application of mathematics in problem solving scenarios. Children will learn to mathematically reason, identify and follow lines of enquiry using key, mathematical vocabulary along the way.

Numeracy in Key Stage 1

In the first Key Stage, it is essential that children develop confidence, enjoyment and appreciation of mathematics. In particular they are expected to:

- develop confidence and mental fluency with whole numbers, counting place value and number bonds to 20. Including numbers words and the four operations (addition, subtraction, multiplication and division)
- develop their ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary.
- use measures to describe and compare different quantities such as length, mass, capacity/volume, time and money.
- develop familiarity with mathematical vocabulary.

Numeracy in Lower Key Stage 2

As children progress they will be expected to become:

- increasingly fluent with whole numbers and the four operations, including number facts
- develop an understanding of place value.
- develop written and mental methods for calculations of large whole numbers
- solve a range of problems, including simple fractions, decimals and place value.
- advance their mathematical reasoning to analyse shapes and their properties,
- use measuring instruments with accuracy and make connections between measure and number.

Numeracy in Upper Key Stage 2

Before leaving Primary School and starting Secondary School it is important that children have had opportunities and time to:

- extend their understanding of the number system and place value to include larger integers.
- develop the connections between multiplication and division with fractions, decimals, percentages and ratio.
- solve a wider range of problems, including algebra and increasingly complex properties of numbers and arithmetic.
- classify shapes with increasingly complex geometric properties and that they learn the vocabulary they need to describe them.
- become fluent in written methods for all four operations, including long multiplication and division, and in working with fractions, decimals and percentages.

Through our group programmes of tuition as well as our one to one tuition we work with children to build strong mathematical foundations, develop confidence and proficiency in the subject that enables them not only to access but to thrive with their ongoing learning and education in Secondary School.

Literacy and Primary English

The overarching aim for English in the National Curriculum is to promote high standards of language and literacy by equipping pupils with a strong command of the spoken and written word and to develop their love of literature through widespread reading for enjoyment.

The National Curriculum for English aims to ensure that all pupils:

- can read easily, fluently and with good understanding
- develop the habit of reading widely and often, for both pleasure and information
- acquire a wide vocabulary, an understanding of grammar and knowledge of linguistic conventions for reading, writing and spoken language
- appreciate our rich and varied literary heritage
- write clearly, accurately and coherently, adapting their language and style in and for a range of contexts, purposes and audiences
- use discussion in order to learn; they should be able to elaborate and explain clearly their understanding and ideas
- are competent in the arts of speaking and listening, making formal presentations, demonstrating to others and participating in debate.

Key Stage 1

Pupils working at Key Stage 1 will be expected to be able to:

Reading aims: <ul style="list-style-type: none">- Apply phonic knowledge and skills to read unknown words- Read common exception words- Read words with more than one syllable- Read for enjoyment, exploring different books they enjoy and want to read.- Talk about books, looking at the structure- Retell traditional tales- Find key information from a text- Give meaning from what they have read	Writing aims: <ul style="list-style-type: none">- Work on letter formation and handwriting skills- To be able to spell using their knowledge of phonics and common exception words.- Learn about the alphabet- Write whole sentences- Orally rehearse sentences before they are written- Be able to reread and check their work- Add punctuation - full stops, capital letters, question marks and exclamation marks.- Identify and use commas and apostrophes- Identify word classes
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Key Stage 2

As children progress into Key Stage 2, they will be expected to work towards the following standards in reading and writing:

Reading

Lower Key Stage 2 <ul style="list-style-type: none">- Read a wide range of texts and discuss- Read books that are structured in different ways- Use dictionaries- Read and perform poetry- Make inferences about what characters are feeling- Summarise information- Retrieve information to answer questions	Upper Key Stage 2 <ul style="list-style-type: none">- Read an increasing range of books and texts they are reading- Make comparisons between books- Ask questions to improve their understanding- Use inferences and evidence from the text to show how characters feel- Make predictions of what might happen next, giving justifications for their answers-
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Writing

Lower Key Stage 2	Upper Key Stage 2
<ul style="list-style-type: none">- Form letters in preparing to join handwriting- Plan, draft, edit and evaluate writing.- Spell words often misspelt- Spell and correctly use homophones- Extend a range of sentences using clauses and conjunctions- Use different verb tenses- Use adverbs, fronted adverbial and prepositions- Use and punctuation speech-	<ul style="list-style-type: none">-Join handwriting-Continue to plan, draft, evaluate their work.-Write formal speech-Use alternator tense forms-Use expended noun phrases-Use relative clauses-Use higher level punctuation, hyphens, brackets, dashes, colons and semi colons

Working within and around the National Curriculum for English, our teachers ensure that our primary children are supported to become competent, proficient and skilled readers and writers. English is a complex skill, one that develops over time and is exercised every day in the language that children see, hear, read and use. Competent readers and writers become so as a result of the quality of their encounters with language and our teachers are dedicated to ensuring that high quality learning experiences are at the heart of our tuition service.