

## Key Curriculum Areas

### English: Writing

Most children should be able to:

- Identify the purpose, audience and viewpoint of different text types, talking about the choices that authors have made.
- Choose appropriate vocabulary, structures and grammar for different styles and types of writing (both fiction and non-fiction).
- Write in paragraphs and choose and use verb tenses appropriately.
- Re-read their own writing, making sure it makes sense and correcting errors.
- Write legibly and fluently, using joined handwriting.
- Work with others to give and receive feedback on their writing.
  
- Begin to recognise some of the features that make writing more formal or more informal.
- Include dialogue when writing stories, punctuating it accurately and varying the way it is presented.
- Recognise and use similes, metaphors and alliteration to describe.
- In non-fiction texts, use a range of organisational devices to guide the reader, including headings, bullet points and underlining.
  
- Choose and use modal verbs appropriately
- Use coordinating and subordinating conjunctions accurately to link ideas and construct more complex sentences.
- Use relative clauses to add extra detail to sentences, punctuating with commas where appropriate.
- Use brackets and commas for parenthesis.
- Use semi-colons to mark the boundary between two closely-related independent clauses.
  
- Develop their understanding of spelling patterns and the use of prefixes and suffixes.
- Recognise and distinguish between a wider range of homophones.
- Know the difference between a dictionary and a thesaurus and find a word using the first 2-4 letters.

### English: Reading

Children in Year 5 should be able to read most words in an age-appropriate text fluently and effortlessly. They should be able to decode unfamiliar words quickly and generally pronounce them accurately. They should have strategies for working out the meaning of new vocabulary and should be able to check if what they have read makes sense to them. Children should be able to talk about the books that they have read and explain what they liked and disliked about them. It is very important that children develop their stamina when reading; as well as reading aloud with an adult, they should be encouraged to read silently to themselves.

Children in Year 5 will:

- continue to read an increasingly wide range of fiction, poetry, plays and non-fiction texts
- read fiction texts both modern and old, and from other cultures and traditions
- start to make links and comparisons between different texts and authors
- prepare poems and plays to read aloud and to perform, showing understanding through intonation and volume
- infer characters' feelings from their actions and justify inferences with evidence
- discuss how authors use figurative language
- distinguish between fact and opinion
- summarise the main points of what they have read in their own words

If you would like to support your child to develop their reading and writing skills, we recommend providing them access to high-quality, challenging texts. Book Trust is a great resource for finding suitable books or you can ask the library or your child's teacher for suggestions.



# Supporting Your Child at Home

## Year 5

### Topic Overview:

Autumn 1 - Heroes and Villains

Autumn 2 - Journeys

Spring 1 - Friend or Foe?

Spring 2 - Gizmos and Gadgets

Summer 1 - Leaders

Summer 2 - Star Gazers

### **Maths:**

Children in Year 5 will be expected to be confident with addition, subtraction, multiplication and division and able to work which operation to use in what situation. They need to be confident in their methods for using all four operations with larger numbers (three and then four digits).

Children will learn about fractions, decimals and percentages. They will need to calculate the area and perimeter of different shapes. Children will need to solve measurement problems that involve converting between units of measurement. They will learn to draw and measure angles and also calculate the size of missing angles. They will need to interpret information in line graphs and tables.

By the end of Year 5, most children should be able to:

- Confidently work with numbers up to 1,000,000 and with decimal numbers up to 3 decimal places, including rounding them.
- Read Roman numerals to 1000 (M) and recognise years written in Roman numerals
- Understand and use negative numbers
- Find all the factor pairs of a number and the common factors of two numbers.
- Identify and give examples of prime numbers, square numbers and cube numbers
- Add and subtract whole numbers with more than 4 digits.
- Multiply numbers up to 4-digits by a 1 or 2-digit number using a formal written method
- Divide numbers up to 4 digits by a one-digit number using a formal written method and interpret remainders appropriately for the context
- Multiply and divide whole and decimal numbers by 10, 100 and 1000
- Use all four operations to solve multi-step problems involving time, measure and money

### **Maths (continued):**

- Compare and order fractions, identify equivalent fractions and add and subtract fractions.
- Convert between and calculate using mixed numbers and improper fractions.
- Multiply proper fractions and mixed numbers by whole numbers.
- Make links between decimal numbers and fractions
- Recognise the per cent (%) symbol and write percentages as a fraction and as a decimal
- Recognise and remember the percentage and decimal equivalences for  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ ,  $\frac{2}{5}$ ,  $\frac{4}{5}$  and fractions with a denominator of a multiple of 10 or 25
- Convert between various metric units of measurement and use these to solve problems involving scaling, for example in recipes.
- Use approximate equivalences between known metric units and common imperial units such as inches, pounds and pints.
- Estimate, measure and compare volume and capacity.
- Measure and calculate the perimeter of rectilinear shapes in centimetres and metres.
- Calculate and compare the area of rectangles (including squares) using standard units.
- Develop an understanding of translation and reflection.
- Distinguish between regular and irregular polygons
- Recognise the markings for right angles and parallel lines.
- Draw and measure given angles and find missing angles in various arrangements.
- Read and interpret information in tables, including timetables, and use that information to solve problems.

### **Science**

In Year 5, children will learn about:

- **Living things and their habitats**, including lifecycles of a mammal, amphibian, insect and bird.
- **Animals including humans**, focusing on changes from birth to old age.
- **Properties and changes of materials**, including dissolving, separating and reversible and irreversible changes.
- **Earth and space**, looking at the movement of the sun, earth and moon.
- **Forces**, including gravity, air resistance, water resistance and friction.

### **Homework Booklets**

Homework is available on the school website or a paper copy can be requested from your child's teacher. The homework sheet consists of different activities that your child can choose to earn 10 homework points over the half term. These will be recorded in a points tracker at school.

Please note: teachers will record homework points on the child's point tracker but may not evidence this in the homework books or on the homework itself.

**If you would like any more support, please speak to your child's class teacher or Miss Chapman (Year 5 Team Leader).**