

# National Curriculum

## End of Year Expectations:



## Year Five

This booklet provides information for parents and carers on the end of year expectations for learners in our school.

The expectations reflect the 2014 National Curriculum and the age expected standards for each year group.

If you have any queries about the content of this booklet or would like support in knowing how best to help your child, please talk to your children's year group staff.

## A Year 5 Mathematician

### Number

- I can count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000.
- I recognise and use thousandths and relate them to tenths, hundredths and decimals equivalents.
- I recognise mixed numbers and improper fractions and can convert from one to the other.
- I can read and write decimal numbers as fractions.
- I recognise the % symbol and understand percent relates to a number of parts per hundred.
- I can write percentages as a fraction with denominator hundred and as a decimal fraction.
- I can compare and add fractions whose denominators are all multiples of the same number.
- I can multiply and divide numbers mentally drawing on known facts up to  $12 \times 12$ .
- I can round decimals with 2dp to the nearest whole number and to 1dp.
- I recognise and use square numbers and cube numbers; and can use the notation  $^2$  and  $^3$ .
- I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
- I can multiply numbers up to 4-digit by a 1 or 2-digit number using formal written methods, including long multiplication for a 2-digit number.
- I can divide numbers up to 4-digits by a 1-digit number.
- I can solve problems involving multiplication and division where large numbers are used by decomposing them into factors.
- I can solve addition and subtraction multi-step problems in context, deciding which operations and methods to use and why.
- I can solve problems involving numbers up to 3dp.

## A Year 5 Mathematician

### Measurement, geometry and statistics

I know that angles are measured in degrees.

I can estimate and compare acute, obtuse and reflex angles.

I can draw given angles and measure them in degrees.

I can convert between different units of metric measures and estimate volume and capacity.

I can measure and calculate the perimeter of composite rectilinear shapes in cm and m.

I can calculate and compare the areas of squares and rectangles including using standard units ( $\text{cm}^2$  and  $\text{m}^2$ ).

I can solve comparison, sum and difference problems using information presented in a line graph.

## A Year 5 Speaker

I can engage the listener by varying my expression and vocabulary.

I adapt my spoken language depending on the audience, the purpose or the context.

I can develop my ideas and opinions, providing relevant detail.

I can express my point of view.

I show that I understand the main points, including implied meanings in a discussion.

I listen carefully in discussions. I make contributions and ask questions that are responsive to others' ideas and views.

I use Standard English in formal situations.

I am beginning to use hypothetical language to consider more than one possible outcome or solution.

I can perform my own compositions, using appropriate intonation and volume so that meaning is clear.

I can perform poems and plays from memory, making careful choices about how I convey ideas. I adapt my expression and tone.

I begin to select the appropriate register according to the context.

## A Year 5 Reader

### Word reading

I can apply knowledge of root words, prefixes and suffixes to read aloud and to understand the meaning of unfamiliar words.

I can read further exception words, noting the unusual correspondences between spelling and sound.

I attempt pronunciation of unfamiliar words drawing on prior knowledge of similar looking words.

I can re-read and read ahead to check for meaning.

## A Year 5 Reader

### Comprehension

I am familiar with and can talk about a wide range of books and text types, including myths, legends and traditional stories and books from other cultures and traditions. I can discuss the features of each.

I can read non-fiction texts and identify the purpose, structure and grammatical features, evaluating how effective they are.

I can identify significant ideas, events and characters; and discuss their significance.

I can recite poems by heart, e.g. narrative verse, haiku.

I can prepare poems and plays to read aloud and to perform, showing understanding through intonation, tone, volume and action.

## A Year 5 Writer

### Spelling

I can form verbs with prefixes.

I can convert nouns or adjectives into verbs by adding a suffix.

I understand the rules for adding prefixes and suffixes.

I can spell words with silent letters.

I can distinguish between homophones and other words which are often confused.

I can spell the commonly mis-spelt words from the Y5/6 word list.

I can use the first 3 or 4 letters of a word to check spelling, meaning or both in a dictionary.

I can use a thesaurus.

I can use a range of spelling strategies.

### Handwriting

I can choose the style of handwriting to use when given a choice.

I can choose the handwriting that is best suited for a specific task.

## A Year 5 Writer

### Composition

I can discuss the audience and purpose of the writing.

I can start sentences in different ways.

I can use the correct features and sentence structure matched to the text type we are working on.

I can develop characters through action and dialogue.

I can establish a viewpoint as the writer through commenting on characters and events.

I can use grammar and vocabulary to create an impact on the reader.

I can use stylistic devices to create effects in writing.

I can add well-chosen detail to interest the reader.

I can summarise a paragraph.

I can organise my writing into paragraphs to show different information or events.

## Grammar and punctuation

### Sentence structure

- I can use relative clauses.
- I can use adverbs or modal verbs to indicate a degree of possibility.

### Text structure

- I can build cohesion between paragraphs.
- I can use adverbials to link paragraphs.

### Punctuation

- I can use brackets, dashes and commas to indicate parenthesis.
- I can use commas to clarify meaning or avoid ambiguity.

## A Year 5 Scientist

### Working scientifically (Y5 and Y6)

- I can plan different types of scientific enquiry.
- I can control variables in an enquiry.
- I can measure accurately and precisely using a range of equipment.
- I can record data and results using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
- I can use the outcome of test results to make predictions and set up a further comparative fair test.
- I can report findings from enquiries in a range of ways.
- I can explain a conclusion from an enquiry.
- I can explain causal relationships in an enquiry.
- I can relate the outcome from an enquiry to scientific knowledge in order to state whether evidence supports or refutes an argument or theory.
- Read, spell and pronounce scientific vocabulary accurately.

### Living things and their habitats

- I can describe the life cycle of different living things, e.g. mammal, amphibian, insect bird.
- I can describe the differences between different life cycles.
- I can describe the process of reproduction in plants.
- I can describe the process of reproduction in animals.

### Animals, including humans

I can create a timeline to indicate stages of growth in humans.

### **Properties and changes of materials**

- I can compare and group materials based on their properties (e.g. hardness, solubility, transparency, conductivity, [electrical & thermal], and response to magnets).
- I can describe how a material dissolves to form a solution; explaining the process of dissolving.
- I can describe and show how to recover a substance from a solution.
- I can describe how some materials can be separated.
- I can demonstrate how materials can be separated (e.g. through filtering, sieving and evaporating).
- I know and can demonstrate that some changes are reversible and some are not.
- I can explain how some changes result in the formation of a new material and that this is usually irreversible.
- I can discuss reversible and irreversible changes.
- I can give evidenced reasons why materials should be used for specific purposes.

### **Earth and space**

- I can describe and explain the movement of the Earth and other planets relative to the Sun.
- I can describe and explain the movement of the Moon relative to the Earth.
- I can explain and demonstrate how night and day are created.
- I can describe the Sun, Earth and Moon (using the term spherical).

### **Forces**

- I can explain what gravity is and its impact on our lives. I can identify and explain the effect of air resistance.
- I can identify and explain the effect of water resistance.
- I can identify and explain the effect of friction.
- I can explain how levers, pulleys and gears allow a smaller force to have a greater effect.



