

Year 6 Maths Key Objectives

Summarised form

1	Use negative numbers to calculate intervals across zero
2	Divide numbers using long division, interpreting the remainders as appropriate
3	Use order of operations to carry out calculations
4	Use common factors to simplify fractions
5	Compare and order fractions of any size
6	Add and subtract fractions with different denominators and mixed numbers
7	Multiply simple pairs of proper fractions
8	Divide proper fractions by whole numbers
9	Calculate decimal fraction equivalents for simple fractions
10	Multiply a number with up to two decimal places by whole numbers
11	Use written division with answers of up to two decimal places
12	Solve problems involving the calculation of percentages
13	Recall and use equivalences between fractions, decimals and percentages
14	Solve problems using ratio using multiplication and division facts
15	Solve problems involving similar shapes where the scale factor is known
16	Solve problems involving proportion, using knowledge of fractions and multiples
17	Use simple formulae
18	Generate and describe linear number sequences
19	Express missing number problems algebraically
20	Convert units of measure between smaller and larger units
21	Convert between miles and kilometres
22	Calculate the area of parallelograms and triangles
23	Calculate and compare volume of cubes and cuboids
24	Illustrate and name parts of a circle
25	Finding missing angles in triangles, quadrilaterals and regular polygons
26	Recognise vertically opposite angles and find missing angles
27	Describe positions on the full co-ordinate grid
28	Translate shapes on a co-ordinate grid and reflect in the axes
29	Construct and interpret pie charts
30	Calculate the mean as an average

Year 5-6 Reading Key Objectives

Summarised form

31	Use knowledge of morphology and etymology to read aloud and understand new words
32	Make comparisons within and across books
33	Read a range of modern fiction, fiction from literary heritage and books from other cultures and traditions
34	Identify and discuss themes and conventions across a wide range of writing
35	Discuss understanding of texts, including exploring meaning of words in context
36	Ask questions to improve understanding of texts
37	Summarise ideas drawn from more than one paragraphs, identifying key details
38	Predict future events from details stated and implied
39	Identify how language, structure and presentation contribute to meaning
40	Discuss how authors use language, including figurative language, to affect the reader
41	Make book recommendations, giving reasons for choices
42	Participate in discussions about books, building on and challenging ideas
43	Explain and discuss understanding of reading
44	Participate in formal presentations and debates about reading
45	Provide reasoned justifications for views

Year 5-6 Writing Key Objectives

Taken from the National Curriculum

1	Spell some words with 'silent' letters
2	Continue to distinguish between homophones and other words which are often confused
3	Use dictionaries to check the spelling and meaning of words
4	Identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
5	Selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning
6	In narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action
7	Précising longer passages
8	Using a wide range of devices to build cohesion within and across paragraphs
9	Using further organisational and presentational devices to structure text and to guide the reader
10	Ensuring the consistent and correct use of tense throughout a piece of writing
11	Ensuring correct subject and verb agreement when using singular and plural, distinguishing between the language of speech and writing and choosing the appropriate register
12	Perform their own compositions, using appropriate intonation, volume, and movement so that meaning is clear.
13	Use a thesaurus
14	Using expanded noun phrases to convey complicated information concisely
15	Using modal verbs or adverbs to indicate degrees of possibility
16	Using relative clauses beginning with who, which, where, when, whose, that or with an implied (i.e. omitted) relative pronoun
17	Converting nouns or adjectives into verbs
18	Devices to build cohesion, including adverbials of time, place and number
19	Recognising vocabulary and structures that are appropriate for formal speech and writing, including subjunctive forms
20	Using passive verbs to affect the presentation of information in a sentence
21	Using the perfect form of verbs to mark relationships of time and cause
22	Differences in informal and formal language
23	Further cohesive devices such as grammatical connections and adverbials
24	Use of ellipsis
25	Using commas to clarify meaning or avoid ambiguity in writing
26	Using brackets, dashes or commas to indicate parenthesis
27	Using hyphens to avoid ambiguity

28	Using semicolons, colons or dashes to mark boundaries between independent clauses
29	Using a colon to introduce a list
30	Punctuating bullet points consistently