

Edgewood Primary & Nursery School



Year 5/6

Curriculum Overview

Year 5-6 Curriculum Overview

During Years 5 and 6, children are preparing for the assessments at the end of primary school and for the transition to secondary schooling. To support children at a whole range of abilities and prior experience, lessons for English and Mathematics are grouped to allow targeted teaching. Alongside these core sessions, students will work in their class groups to cover other areas of the curriculum.

For the subjects of Science, History and Geography we take a thematic approach that allows us to focus on a single topic over a number of lessons each week. The topics we will be teaching each year are shown here:

Cycle A (2014-15)	Cycle B (2015-16)
<ul style="list-style-type: none">• Crime and punishment• Chemical changes• Physical forces• Life on Earth• Mayan civilization• Central American study	<ul style="list-style-type: none">• Anglo-Saxons & Vikings• Geography of the UK• The Earth in Space• Plant life cycles• Ancient Greece• Greece today

This booklet sets out the key objectives we aim to cover during the two years your child will be in our classes, and to indicate some of the topics we will teach each year.

If you have any further queries about the Y5/6 curriculum, please contact your child's class teacher.

Key Objectives for Reading in Y5/6

Key Objectives

1	Use knowledge of spelling patterns and root words to read aloud and understand new words
2	Give and explain the meaning of words in context
3	Retrieve and record information, including quotations, from fiction and non-fiction
4	Summarise main ideas from more than one paragraph
5	Make and justify inferences using evidence from the text
6	Predict what might happen from details stated and implied
7	Identify and explain how organisation and presentation contribute to the meaning of texts
8	Identify and explain how meaning is enhanced through choice of words and phrases
9	Make accurate and appropriate comparisons within the text
10	Make wide-ranging choices of reading material, including fiction from literary heritage and other cultures and traditions

Key Objectives for Writing in Y5/6

Key Objectives - Composition

1	Identify the audience and purpose before writing, and adapt accordingly
2	Select appropriate grammar and vocabulary to change or enhance meaning
3	Develop setting, atmosphere and character, including through dialogue
4	Precis longer passages
5	Use a range of cohesive devices
6	Use advanced organisational and presentational devices

Key Objectives – Grammar & Punctuation

7	Use the correct tense consistently throughout a piece of writing
8	Ensure correct subject and verb agreement
9	Use expanded noun phrases to convey complicated information concisely
10	Use modal verbs or adverbs to indicate degrees of possibility
11	Use relative clauses
12	Recognise vocabulary and structures that are appropriate for formal use
13	Use passive verbs to affect the presentation of information
14	Use the perfect form of verbs to mark relationships of time and cause
15	Use brackets, dashes and commas to indicate parenthesis
16	Use commas to clarify meaning or avoid ambiguity
17	Use semi-colons, colons and dashes between independent clauses

Key Objectives - Spelling

18	Spell some harder words with silent letters (e.g. knight, solemn)
19	Recognise and use spellings for homophones and other often-confused words
20	Use a dictionary to check spelling and meaning

Key Objectives for Mathematics in Y5

Key Objectives

1	Read Roman numerals to 1000, including years
2	Interpret negative numbers in context
3	Round numbers of any size to estimate or simplify calculations
4	Identify multiples and factors, including finding factor pairs and common factors
5	Recognise and use square, and know the notation
6	Use vocabulary of prime and composite numbers
7	Know prime numbers up to 19
8	Multiply and divide numbers by powers of 10, including with decimals
9	Use standard long multiplication method
10	Use standard short division method
11	Convert between mixed numbers and improper fractions
12	Compare and order fractions whose denominators are multiples of the same number
13	Identify, name and write equivalent fractions including tenths and hundredths
14	Add and subtract fractions with denominators that are multiples of the same number
15	Multiply fractions and mixed numbers by whole numbers with support
16	Read and write decimal numbers as fractions
17	Order and compare decimal numbers
18	Recognise % symbol and explain as a fraction with denominator 100 (parts out of 100)
19	Identify 3-d shapes from 2-d representations
20	Distinguish between regular and irregular polygons
21	Measure and calculate the perimeter of composite rectilinear shapes
22	Calculate the area of rectangles, and estimate the area of irregular shapes
23	Know angles are measured in degrees and compare acute, obtuse and reflex angles
24	Draw and measure angles to the nearest degree
25	Describe and represent the result of a reflection or translation
26	Complete, read and interpret information in tables, including timetables
27	Interpret bar and line graphs

Key Objectives for Mathematics in Y6

Core Objectives

1	Use negative numbers to calculate intervals across zero
2	Recognise and use cube numbers and notation
3	Use prime factors
4	Use written division with answers of up to two decimal places
5	Calculate decimal fraction equivalents for simple fractions
6	Divide numbers using long division, interpreting the remainders as appropriate
7	Add and subtract fractions with different denominators
8	Compare and order fractions of any size
9	Multiply a decimal number by a single digit number
10	Recall and use equivalences between fractions, decimals and percentages
11	Solve problems involving the calculation of common percentages
12	Use simple ratio to compare quantities
13	Solve problems using scale factors such as map scales
14	Use simple formulae
15	Generate and describe linear number sequences
16	Convert units of measure between adjacent smaller and larger units
17	Know and use angle rules for straight lines, triangles and other polygons.
18	Describe positions on the full co-ordinate grid
19	Translate shapes on a co-ordinate grid and reflect in the axes
20	Construct and interpret line graphs and pie charts
21	Calculate and interpret the mean as the average

Extension Content

22	Use order of operations to carry out calculations
23	Divide proper fractions by whole numbers
24	Multiply simple pairs of proper fractions
25	Use common factors to simplify fractions
26	Solve problems involving proportion, using knowledge of fractions and multiples
27	Express missing number problems algebraically
28	Calculate and compare volume of cubes and cuboids
29	Calculate the area of parallelograms and triangles
30	Convert between miles and kilometres
31	Illustrate and name parts of a circle

Key Objectives for Science in Y5/6

Investigation Objectives

1	Plan scientific investigations, including controlling variables where appropriate
2	Use test results to design further investigations
3	Record data using diagrams, keys, tables and a range of graphs
4	Using simple models to describe scientific ideas
5	Report conclusions and explanations from scientific investigations
6	Identify scientific evidence that has been used to support or refute ideas

Cycle A Objectives

1	Recognise that living things produce offspring which are not usually identical to their parents
2	Identify how adaptation of plants and animals over time may lead to evolution.
3	Describe the life process of reproduction in some plants and animals.
4	Explain how mixtures can be separated through filtering, sieving and evaporating
5	Explain that some irreversible changes form new materials
6	Explain that gravity causes unsupported objects to fall towards the Earth
7	Identify the effects of air resistance, water resistance and friction between moving surfaces

Cycle B Objectives

1	Classify some plants, animals or micro-organisms, explaining the choices made
2	Explain the main parts and functions of the human circulatory system, including heart and blood vessels
3	Describe the movement of the Earth, and other planets, relative to the Sun
4	Explain day and night on earth, and the apparent movement of the Sun
5	Explain that we see things which either give out or reflect light
6	Explain how the number of voltage of cells affects bulbs, buzzers or motors in a circuit
7	Use recognised symbols when representing a simple circuit in a diagram.

Year 5/6 timetables

Azul class

Mon	English / Theme	B	Maths	L	English / Theme		Reading
Tue	English / Theme	R	Maths	U	Spanish		PE
Wed	PE	E	Maths	N	English / Theme		English / Theme
Thu	English / Theme	A	Maths	C	RE & PSHE		Reading
Fri	English / Theme	K	Maths	H	Art / Music		Computing

Marrón class

Mon	English/ Theme	B	Maths	L	Reading	B	Computing
Tue	English/ Theme	R	Maths	U	English / Theme	R	RE & PSHE
Wed	English/ Theme	E	Maths	N	Reading	E	English / Theme
Thu	English/ Theme	A	Maths	C	Spanish	A	PE
Fri	English/ Theme	K	Maths	H	PE	K	Art / Music

Morado class

Mon	English/ Theme	B	Maths	L	English / Theme	B	English / Theme
Tue	English/ Theme	R	Maths	U	PE	R	Spanish
Wed	English/ Theme	E	Maths	N	RE & PSHE	E	Reading
Thu	English/ Theme	A	Maths	C	Reading	A	Art / Music
Fri	English/ Theme	K	Maths	H	Computing	K	PE