



Lower KS2: Year Three Objectives

Dear parents

At Appleton Primary School, our curriculum is based on the 2014 National curriculum. This consists of core subjects (English, Science, Maths). Summarised below are the key objectives your child will be expected to achieve in the core subjects. Your child will also learn foundation subjects (Art, D&T, Computing, Geography, History, Music, French, PE, RE and PSHE). Details about what your child will be learning are sent home at the beginning of each term and are also available on our website- www.appletonprimary.org.uk

MATHS

1	Count in multiples of 4, 8, 50 and 100
2	Compare and order numbers up to 1000
3	Add and subtract numbers mentally, including round numbers to HTU
4	Add and subtract using standard column method
5	Estimate answers to calculations and use the inverse to check answers
6	Know 3×, 4× and 8× tables
7	Count up and down in tenths
8	Understand that tenths are objectives or quantities divided into ten equal parts
9	Compare and order simple fractions
10	Recognise and show equivalent fractions
11	Find and write fractions of a set of objects
12	Add and subtract fractions with common denominators (less than one)
13	Measure, compare and calculate measures using standard units
14	Measure the perimeter of simple 2-D shapes
15	Add and subtract money, including giving change
16	Tell and write the time from an analogue clock, including using Roman numerals
17	Estimate and read time to the nearest minute
18	Identify horizontal, vertical, parallel and perpendicular lines
19	Identify whether angles are greater or less than a right angle
20	Interpret and present data using bar charts, pictograms and tables

SCIENCE

1	Set up simple fair tests
2	Collect and present data from scientific experiments
3	Use results from experiments to draw simple conclusions or suggest improvements
4	Describe the main requirements for plant growth (air, light, water, nutrients from soil, and room to grow)
5	Explain the main stages of plant reproduction (pollination, fertilisation, seed dispersal)
6	Explain some functions of skeletons and muscles in animals
7	Identify the three main rock types and describe their properties
8	Notice that light is reflected from surfaces
9	Find patterns in the way that the sizes of shadows change.
10	Group materials according to their magnetic properties



ENGLISH Reading

1	Read aloud and understand words based on knowledge of root words, prefixes and suffixes
2	Read further exception words, including those with unusual spelling/sound links
3	Retell some fairy tales or traditional tales orally
4	Identify themes and conventions in a range of books
5	Perform plays and poetry aloud using intonation, tone, volume and action
6	Recognise some different forms of poetry
7	Use dictionaries to check the meanings of words
8	Check that a text makes sense, including explaining the meaning of words in context
9	Identify and summarise the main ideas drawn from more than one paragraph
10	Draw inferences about feelings thoughts and motives
11	Use evidence to justify inferences
12	Discuss words and phrases which capture the reader's interest
13	Identify how language contributes to meaning
14	Identify how structure and presentation contribute to meaning
15	Retrieve and record information from non-fiction texts

Writing

1	Spell words which are often misspelt from the Y3-4 list
2	Use the possessive apostrophe accurately with plurals
3	Use a dictionary to check a spelling
4	Use appropriate handwriting joins, including choosing unjoined letters
5	Adopt the features of existing texts to shape own writing
6	Build sentences with varied vocabulary and structures
7	Organise paragraphs around a theme
8	Develop detail of characters, settings and plot in narratives
9	Use simple organisational devices in non-fiction
10	Suggest improvements to grammar and vocabulary
11	Proofread own work for spelling and punctuation errors
12	Read aloud using appropriate intonation, tone and volume
13	Use a range of conjunctions to extend sentences with more than one clause
14	Choose nouns and pronouns for clarity and cohesion
15	Use conjunctions, adverbs and prepositions to express time, cause & place
16	Use fronted adverbials
17	Understand the difference between plural and possessive '-s'
18	Recognise and use standard English verb inflections
19	Use extended noun phrases, including with prepositions
20	Use and punctuate direct speech correctly



Appendix 1

Y3 word list

These words must be learned by Y3 pupils, incorporated into dictated sentences and used in writing:

address	describe	learn
answer	different	length
appear	disappear	minute
arrive	early	naughty
breath	earth	often
breathe	eight	perhaps
build	experiment	popular
busy	extreme	possible
calendar	famous	probably
caught	February	promise
circle	forward (s)	quarter
complete	fruit	question
consider	group	remember
continue	heard	sentence
	heart	strength
	history	suppose
	important	woman/women
	interest	



Lower KS2: Year Four Objectives

Dear parents

At Appleton Primary School, our curriculum is based on the 2014 National curriculum. This consists of core subjects (English, Science, Maths). Summarised below are the key objectives your child will be expected to achieve in the core subjects. Your child will also learn foundation subjects (Art, D&T, Computing, Geography, History, French, Music, PE, RE and PSHE). Details about what your child will be learning are sent home at the beginning of each term and are also available on our website- www.appletonprimary.org.uk

MATHS

1	Count backwards through zero, including negative numbers
2	Recognise place value in four-digit numbers
3	Round any number to the nearest 10, 100 or 1000
4	Know tables up to 12×12
5	Use place value and number facts to carry out mental calculations
6	Use factor pairs and commutativity in mental calculations
7	Use short multiplication method
8	Recognise and use hundredths
9	Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$
10	Divide one- or two-digit numbers by 10 and 100, using tenths and hundredths
11	Round decimals with one decimal place to the nearest whole number
12	Compare numbers up to two decimal places
13	Convert between different units of metric measurement, including money
14	Find the area of rectilinear shapes by counting squares
15	Solve problems converting units of time
16	Compare and classify shapes, including quadrilaterals and triangles
17	Complete a simple symmetric figure with respect to a specific line of symmetry.
18	Describe positions on a 2-D grid using co-ordinates
19	Describe translations using a given unit to the left/right and up/down
20	Interpret and present discrete and continuous data on appropriate graphs

SCIENCE

1	Take accurate measurements using a range of scientific apparatus
2	Present findings using tables, graphs and charts as appropriate
3	Use straightforward evidence in support of ideas
4	Use a classification key to identify plants or animals
5	Describe the simple functions of the basic parts of the digestive system in humans
6	Construct and interpret a variety of food chains, identifying producers, predators and prey.
7	Compare and group materials together, according to whether they are solids, liquids or gases
8	Explain the main stages of the water cycle
9	Recognise that vibrations from sounds travel through a medium to the ear
10	Construct a simple series electrical circuit, identifying and naming its basic parts



ENGLISH Reading

1	Apply their growing knowledge of root words, prefixes and suffixes to read aloud
2	Read further exception words, noting the unusual correspondences between spelling and sound, and where these occur in the word
3	Retelling some of these (fairy tales, traditional tales, etc.) orally
4	Identifying themes and conventions in a wide range of books
5	Preparing poems and play scripts to read aloud and to perform, showing understanding through intonation, tone, volume and action
6	Recognising some different forms of poetry
7	Using dictionaries to check the meaning of words that they have read
8	Checking that the text makes sense to them, discussing their understanding and explaining the meaning of words in context
9	Identifying main ideas drawn from more than one paragraph and summarising these
10	Drawing inferences such as inferring characters' feelings, thoughts and motives from their actions
11	Justify inferences with evidence
12	Discussing words and phrases that capture the reader's interest and imagination
13	Identifying how language contributes to meaning
14	Identifying how structure and presentation contribute to meaning
15	Retrieve and record information from non-fiction

Writing

1	spell words that are often misspelt (Appendix 1)
2	Place the possessive apostrophe accurately in words with regular plurals and in words with irregular plurals
3	Use the first 2 or 3 letters of a word to check its spelling in a dictionary
4	Use the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined
5	Discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar
6	Composing and rehearsing sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures
7	Organising paragraphs around a theme
8	In narratives, creating settings, characters and plot
9	In non-narrative material, using simple organisational devices (headings & subheadings)
10	Proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences
11	Proofread for spelling and punctuation errors
12	Read their own writing aloud, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.
13	Extending the range of sentences with more than one clause by using a wider range of conjunctions, including when, if, because, although
14	Choosing nouns or pronouns appropriately for clarity and cohesion and to avoid repetition
15	Using conjunctions, adverbs and prepositions to express time and cause (and place)
16	Using fronted adverbials
17	Difference between plural and possessive -s
18	Standard English verb inflections (I did vs. I done)
19	Extended noun phrases, including with prepositions
20	Using and punctuating direct speech (including punctuation within and surrounding inverted commas)



Appendix 1

Y4 word list

These words must be learned by Y4 pupils, incorporated into dictated sentences and used in writing:

actually believe bicycle centre century certain decide describe different difficult enough exercise experience favourite grammar guard guide height imagine increase island	knowledge library material medicine mention natural notice occasion (ally) opposite ordinary particular peculiar position possess (ion) potatoes pressure probably promise purpose	recent regular reign separate special straight strange surprise therefore though/although thought through various weight
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