

The national curriculum in England

Programmes of Study for Year 1

**National Curriculum
(Sept 2013)**

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English - Key stage 1 – Year 1

Spoken language – Year 2

These statements apply to all year groups.

Statutory requirements

Pupils should be taught to:

- listen and respond appropriately to adults and their peers
- ask relevant questions to extend their understanding and knowledge
- use relevant strategies to build their vocabulary
- articulate and justify answers, arguments and opinions
- give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings
- maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments
- use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas
- speak audibly and fluently with an increasing command of Standard English
- participate in discussions, presentations, performances, role play, improvisations and debates
- gain, maintain and monitor the interest of the listener(s)
- consider and evaluate different viewpoints, attending to and building on the contributions of others
- select and use appropriate registers for effective communication.

Reading – word reading

Statutory requirements

Pupils should be taught to:

- apply phonic knowledge and skills as the route to decode words
- respond speedily with the correct sound to graphemes (letters or groups of letters)

Statutory requirements

- for all 40+ phonemes, including, where applicable, alternative sounds for graphemes
- read accurately by blending sounds in unfamiliar words containing GPCs that have been taught
- read common exception words, noting unusual correspondences between spelling and sound and where these occur in the word
- read words containing taught GPCs and –s, –es, –ing, –ed, –er and –est endings
- read other words of more than one syllable that contain taught GPCs
- read words with contractions [for example, I'm, I'll, we'll], and understand that the apostrophe represents the omitted letter(s)
- read aloud accurately books that are consistent with their developing phonic knowledge and that do not require them to use other strategies to work out words
- re-read these books to build up their fluency and confidence in word reading.

Reading – comprehension

Statutory requirements

Pupils should be taught to:

- develop pleasure in reading, motivation to read, vocabulary and understanding by:
 - listening to and discussing a wide range of poems, stories and non-fiction at a level beyond that at which they can read independently
 - being encouraged to link what they read or hear read to their own experiences
 - becoming very familiar with key stories, fairy stories and traditional tales, retelling them and considering their particular characteristics
 - recognising and joining in with predictable phrases
 - learning to appreciate rhymes and poems, and to recite some by heart
 - discussing word meanings, linking new meanings to those already known
- understand both the books they can already read accurately and fluently and those they listen to by:
 - drawing on what they already know or on background information and vocabulary provided by the teacher
 - checking that the text makes sense to them as they read and correcting inaccurate reading
 - discussing the significance of the title and events
 - making inferences on the basis of what is being said and done

Statutory requirements

- predicting what might happen on the basis of what has been read so far
- participate in discussion about what is read to them, taking turns and listening to what others say
- explain clearly their understanding of what is read to them.

Writing – transcription

Statutory requirements

Spelling

Pupils should be taught to:

- spell:
 - words containing each of the 40+ phonemes already taught
 - common exception words
 - the days of the week
- name the letters of the alphabet:
 - naming the letters of the alphabet in order
 - using letter names to distinguish between alternative spellings of the same sound
- add prefixes and suffixes:
 - using the spelling rule for adding –s or –es as the plural marker for nouns and the third person singular marker for verbs
 - using the prefix un–
 - using –ing, –ed, –er and –est where no change is needed in the spelling of root words [for example, helping, helped, helper, eating, quicker, quickest]
- apply simple spelling rules and guidance, as listed in
- write from memory simple sentences dictated by the teacher that include words using the GPCs and common exception words taught so far.

Statutory requirements

Handwriting

Pupils should be taught to:

- sit correctly at a table, holding a pencil comfortably and correctly
- begin to form lower-case letters in the correct direction, starting and finishing in the right place
- form capital letters
- form digits 0-9
- understand which letters belong to which handwriting 'families' (i.e. letters that are formed in similar ways) and to practise these.

Writing – composition

Statutory requirements

Pupils should be taught to:

- write sentences by:
 - saying out loud what they are going to write about
 - composing a sentence orally before writing it
 - sequencing sentences to form short narratives
 - re-reading what they have written to check that it makes sense
- discuss what they have written with the teacher or other pupils
- read aloud their writing clearly enough to be heard by their peers and the teacher.

Writing – vocabulary, grammar and punctuation

Statutory requirements

Pupils should be taught to:

- develop their understanding of the concepts set out in English Appendix 2 by:
 - leaving spaces between words
 - joining words and joining clauses using and
 - beginning to punctuate sentences using a capital letter and a full stop, question mark or exclamation mark
 - using a capital letter for names of people, places, the days of the week, and the personal pronoun 'I'

Statutory requirements

- learning the grammar for year 1 in English Appendix 2
- use the grammatical terminology in English Appendix 2 in discussing their writing.

English Appendix 1: Spelling

Most people read words more accurately than they spell them. The younger pupils are, the truer this is.

By the end of year 1, pupils should be able to read a large number of different words containing the GPCs that they have learnt, whether or not they have seen these words before. Spelling, however, is a very different matter. Once pupils have learnt more than one way of spelling particular sounds, choosing the right letter or letters depends on their either having made a conscious effort to learn the words or having absorbed them less consciously through their reading. Younger pupils have not had enough time to learn or absorb the accurate spelling of all the words that they may want to write.

This appendix provides examples of words embodying each pattern which is taught. Many of the words listed as 'example words' for years 1 and 2, including almost all those listed as 'exception words', are used frequently in pupils' writing, and therefore it is worth pupils learning the correct spelling. The 'exception words' contain GPCs which have not yet been taught as widely applicable, but this may be because they are applicable in very few age-appropriate words rather than because they are rare in English words in general.

The word-lists for years 3 and 4 and years 5 and 6 are statutory. The lists are a mixture of words pupils frequently use in their writing and those which they often misspell. Some of the listed words may be thought of as quite challenging, but the 100 words in each list can easily be taught within the four years of key stage 2 alongside other words that teachers consider appropriate.

The rules and guidance are intended to support the teaching of spelling. Phonic knowledge should continue to underpin spelling after key stage 1; teachers should still draw pupils' attention to GPCs that do and do not fit in with what has been taught so far. Increasingly, however, pupils also need to understand the role of morphology and etymology. Although particular GPCs in root words simply have to be learnt, teachers can help pupils to understand relationships between meaning and spelling where these are relevant. For example, understanding the relationship between *medical* and *medicine* may help pupils to spell the /s/ sound in *medicine* with the letter 'c'. Pupils can also be helped to spell words with prefixes and suffixes correctly if they understand some general principles for adding them. Teachers should be familiar with what pupils have been taught about spelling in earlier years, such as which rules pupils have been taught for adding prefixes and suffixes.

In this spelling appendix, the left-hand column is statutory; the middle and right-hand columns are non-statutory guidance.

The International Phonetic Alphabet (IPA) is used to represent sounds (phonemes). A table showing the IPA is provided in this document.

Spelling – work for year 1

Revision of reception work

Statutory requirements

The boundary between revision of work covered in Reception and the introduction of new work may vary according to the programme used, but basic revision should include:

- all letters of the alphabet and the sounds which they most commonly represent
- consonant digraphs which have been taught and the sounds which they represent
- vowel digraphs which have been taught and the sounds which they represent
- the process of segmenting spoken words into sounds before choosing graphemes to represent the sounds
- words with adjacent consonants
- guidance and rules which have been taught

Statutory requirements	Rules and guidance (non-statutory)	Example words (non-statutory)
The sounds /f/, /l/, /s/, /z/ and /k/ spelt ff, ll, ss, zz and ck	The /f/, /l/, /s/, /z/ and /k/ sounds are usually spelt as ff , ll , ss , zz and ck if they come straight after a single vowel letter in short words. Exceptions: if, pal, us, bus, yes.	off, well, miss, buzz, back
The /ŋ/ sound spelt n before k		bank, think, honk, sunk
Division of words into syllables	Each syllable is like a 'beat' in the spoken word. Words of more than one syllable often have an unstressed syllable in which the vowel sound is unclear.	pocket, rabbit, carrot, thunder, sunset

Statutory requirements	Rules and guidance (non-statutory)	Example words (non-statutory)
-tch	The /tʃ/ sound is usually spelt as tch if it comes straight after a single vowel letter. Exceptions: rich, which, much, such.	catch, fetch, kitchen, notch, hutch
The /v/ sound at the end of words	English words hardly ever end with the letter v , so if a word ends with a /v/ sound, the letter e usually needs to be added after the 'v'.	have, live, give
Adding s and es to words (plural of nouns and the third person singular of verbs)	If the ending sounds like /s/ or /z/, it is spelt as -s . If the ending sounds like /ɪz/ and forms an extra syllable or 'beat' in the word, it is spelt as -es .	cats, dogs, spends, rocks, thanks, catches
Adding the endings -ing, -ed and -er to verbs where no change is needed to the root word	<p>-ing and -er always add an extra syllable to the word and -ed sometimes does.</p> <p>The past tense of some verbs may sound as if it ends in /ɪd/ (extra syllable), /d/ or /t/ (no extra syllable), but all these endings are spelt -ed.</p> <p>If the verb ends in two consonant letters (the same or different), the ending is simply added on.</p>	hunting, hunted, hunter, buzzing, buzzed, buzzer, jumping, jumped, jumper
Adding -er and -est to adjectives where no change is needed to the root word	As with verbs (see above), if the adjective ends in two consonant letters (the same or different), the ending is simply added on.	grander, grandest, fresher, freshest, quicker, quickest

Vowel digraphs and trigraphs

Some may already be known, depending on the programmes used in Reception, but some will be new.

Vowel digraphs and trigraphs	Rules and guidance (non-statutory)	Example words (non-statutory)
ai, oi	The digraphs ai and oi are virtually never used at the end of English words.	rain, wait, train, paid, afraid oil, join, coin, point, soil
ay, oy	ay and oy are used for those sounds at the end of words and at the end of syllables.	day, play, say, way, stay boy, toy, enjoy, annoy
a–e		made, came, same, take, safe
e–e		these, theme, complete
i–e		five, ride, like, time, side
o–e		home, those, woke, hope, hole
u–e	Both the /u:/ and /ju:/ ('oo' and 'yoo') sounds can be spelt as u–e .	June, rule, rude, use, tube, tune
ar		car, start, park, arm, garden
ee		see, tree, green, meet, week
ea (/i:/)		sea, dream, meat, each, read (present tense)
ea (/ɛ/)		head, bread, meant, instead, read (past tense)
er (/ɜ:/)		(stressed sound): her, term, verb, person
er (/ə/)		(unstressed <i>schwa</i> sound): better, under, summer, winter, sister
ir		girl, bird, shirt, first, third
ur		turn, hurt, church, burst, Thursday

Vowel digraphs and trigraphs	Rules and guidance (non-statutory)	Example words (non-statutory)
oo (/u:/)	Very few words end with the letters oo , although the few that do are often words that primary children in year 1 will encounter, for example, <i>zoo</i>	food, pool, moon, zoo, soon
oo (/ʊ/)		book, took, foot, wood, good
oa	The digraph oa is very rare at the end of an English word.	boat, coat, road, coach, goal
oe		toe, goes
ou	The only common English word ending in ou is <i>you</i> .	out, about, mouth, around, sound
ow (/aʊ/) ow (/əʊ/) ue ew	Both the /u:/ and /ju:/ ('oo' and 'yoo') sounds can be spelt as u-e , ue and ew . If words end in the /oo/ sound, ue and ew are more common spellings than oo .	now, how, brown, down, town own, blow, snow, grow, show blue, clue, true, rescue, Tuesday new, few, grew, flew, drew, threw
ie (/aɪ/)		lie, tie, pie, cried, tried, dried
ie (/i:/)		chief, field, thief
igh		high, night, light, bright, right
or		for, short, born, horse, morning
ore		more, score, before, wore, shore
aw		saw, draw, yawn, crawl
au		author, August, dinosaur, astronaut
air		air, fair, pair, hair, chair
ear		dear, hear, beard, near, year
ear (/ɛə/)		bear, pear, wear
are (/ɛə/)		bare, dare, care, share, scared

Statutory requirements	Rules and guidance (non-statutory)	Example words (non-statutory)
Words ending –y (/i:/ or /ɪ/)		very, happy, funny, party, family
New consonant spellings ph and wh	The /f/ sound is not usually spelt as ph in short everyday words (e.g. <i>fat, fill, fun</i>).	dolphin, alphabet, phonics, elephant when, where, which, wheel, while
Using k for the /k/ sound	The /k/ sound is spelt as k rather than as c before e, i and y .	Kent, sketch, kit, skin, frisky
Adding the prefix –un	The prefix un– is added to the beginning of a word without any change to the spelling of the root word.	unhappy, undo, unload, unfair, unlock
Compound words	Compound words are two words joined together. Each part of the longer word is spelt as it would be if it were on its own.	football, playground, farmyard, bedroom, blackberry
Common exception words	Pupils’ attention should be drawn to the grapheme-phoneme correspondences that do and do not fit in with what has been taught so far.	the, a, do, to, today, of, said, says, are, were, was, is, his, has, I, you, your, they, be, he, me, she, we, no, go, so, by, my, here, there, where, love, come, some, one, once, ask, friend, school, put, push, pull, full, house, our – and/or others, according to the programme used

International Phonetic Alphabet (non-statutory)

The table below shows each symbol of the International Phonetic Alphabet (IPA) and provides examples of the associated grapheme(s).¹ The table is not a comprehensive alphabetic code chart; it is intended simply as guidance for teachers in understanding the IPA symbols used in the spelling appendix ([English Appendix 1](#)). The pronunciations in the table are, by convention, based on Received Pronunciation and could be significantly different in other accents.

Consonants		Vowels	
/b/	bad	/ɑː/	father, arm
/d/	dog	/ɒ/	hot
/ð/	this	/æ/	cat
/dʒ/	gem, jug	/aɪ/	mind, fine, pie, high
/f/	if, puff, photo	/aʊ/	out, cow
/g/	gum	/ɛ/	hen, head
/h/	how	/eɪ/	say, came, bait
/j/	yes	/ɛə/	air
/k/	cat, check, key, school	/əʊ/	cold, boat, cone, blow
/l/	leg, hill	/ɪ/	hit
/m/	man	/ɪə/	beer
/n/	man	/iː/	she, bead, see, scheme, chief
/ŋ/	sing	/ɔː/	launch, raw, born
/θ/	both	/ɔɪ/	coin, boy
/p/	pet	/ʊ/	book
/r/	red	/ʊə/	tour
/s/	sit, miss, cell	/uː/	room, you, blue, brute
/ʃ/	she, chef	/ʌ/	cup
/t/	tea	/ɜː/	fern, turn, girl
/tʃ/	check	/ə/	farmer
/v/	vet		
/w/	wet, when		
/z/	zip, hens, buzz		
/ʒ/	pleasure		

¹ This chart is adapted slightly from the version provided on the DfE's website to support the Year 1 phonics screening check.

English Appendix 2: Vocabulary, grammar and punctuation

The grammar of our first language is learnt naturally and implicitly through interactions with other speakers and from reading. Explicit knowledge of grammar is, however, very important, as it gives us more conscious control and choice in our language. Building this knowledge is best achieved through a focus on grammar within the teaching of reading, writing and speaking. Once pupils are familiar with a grammatical concept [for example 'modal verb'], they should be encouraged to apply and explore this concept in the grammar of their own speech and writing and to note where it is used by others. Young pupils, in particular, use more complex language in speech than in writing, and teachers should build on this, aiming for a smooth transition to sophisticated writing.

The table below focuses on Standard English and should be read in conjunction with the programmes of study as it sets out the statutory requirements. The table shows when concepts should be introduced first, not necessarily when they should be completely understood. It is very important, therefore, that the content in earlier years be revisited in subsequent years to consolidate knowledge and build on pupils' understanding. Teachers should also go beyond the content set out here if they feel it is appropriate.

The grammatical terms that pupils should learn are labelled as 'terminology for pupils'. They should learn to recognise and use the terminology through discussion and practice. All terms in **bold** should be understood with the meanings set out in the Glossary available in the full National Curriculum document. ([Click here for the National Curriculum](#)).

Vocabulary, grammar and punctuation – Year 1

Year 1: Detail of content to be introduced (statutory requirement)	
Word	<p>Regular plural noun suffixes –s or –es [for example, <i>dog, dogs; wish, wishes</i>], including the effects of these suffixes on the meaning of the noun</p> <p>Suffixes that can be added to verbs where no change is needed in the spelling of root words (e.g. <i>helping, helped, helper</i>)</p> <p>How the prefix un– changes the meaning of verbs and adjectives [negation, for example, <i>unkind, or undoing: untie the boat</i>]</p>
Sentence	<p>How words can combine to make sentences</p> <p>Joining words and joining clauses using <i>and</i></p>
Text	Sequencing sentences to form short narratives
Punctuation	<p>Separation of words with spaces</p> <p>Introduction to capital letters, full stops, question marks and exclamation marks to demarcate sentences</p> <p>Capital letters for names and for the personal pronoun I</p>
Terminology for pupils	<p>letter, capital letter</p> <p>word, singular, plural</p> <p>sentence</p> <p>punctuation, full stop, question mark, exclamation mark</p>

Mathematics - Key stage 1 – Year 1 Programme of Study

The principal focus of mathematics teaching in key stage 1 is to ensure that pupils develop confidence and mental fluency with whole numbers, counting and place value. This should involve working with numerals, words and the four operations, including with practical resources [for example, concrete objects and measuring tools].

At this stage, pupils should develop their ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary. Teaching should also involve using a range of measures to describe and compare different quantities such as length, mass, capacity/volume, time and money.

By the end of year 2, pupils should know the number bonds to 20 and be precise in using and understanding place value. An emphasis on practice at this early stage will aid fluency.

Pupils should read and spell mathematical vocabulary, at a level consistent with their increasing word reading and spelling knowledge at key stage 1.

Number – number and place value

Statutory requirements

Pupils should be taught to:

- count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
- given a number, identify one more and one less
- identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
- read and write numbers from 1 to 20 in numerals and words.

Statutory requirements

Pupils should be taught to:

- read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs
- represent and use number bonds and related subtraction facts within 20
- add and subtract one-digit and two-digit numbers to 20, including zero
- solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$.

Number – multiplication and division

Statutory requirements

Pupils should be taught to:

- solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.

Number – fractions

Statutory requirements

Pupils should be taught to:

- recognise, find and name a half as one of two equal parts of an object, shape or quantity
- recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

Measurement

Statutory requirements

Pupils should be taught to:

- compare, describe and solve practical problems for:
 - lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]
 - mass/weight [for example, heavy/light, heavier than, lighter than]
 - capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]
 - time [for example, quicker, slower, earlier, later]
- measure and begin to record the following:
 - lengths and heights
 - mass/weight
 - capacity and volume
 - time (hours, minutes, seconds)
- recognise and know the value of different denominations of coins and notes
- sequence events in chronological order using language [for example, before and

Statutory requirements

after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]

- recognise and use language relating to dates, including days of the week, weeks, months and years
- tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.

Geometry – properties of shapes

Statutory requirements

Pupils should be taught to:

- recognise and name common 2-D and 3-D shapes, including:
 - 2-D shapes [for example, rectangles (including squares), circles and triangles]
 - 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].

Geometry – position and direction

Statutory requirements

Pupils should be taught to:

- describe position, direction and movement, including whole, half, quarter and three-quarter turns.

Mathematics Appendix 1: Examples of formal written methods for addition, subtraction, multiplication and division

This appendix sets out some examples of formal written methods for all four operations to illustrate the range of methods that could be taught. It is not intended to be an exhaustive list, nor is it intended to show progression in formal written methods. For example, the exact position of intermediate calculations (superscript and subscript digits) will vary depending on the method and format used.

For multiplication, some pupils may include an addition symbol when adding partial products. For division, some pupils may include a subtraction symbol when subtracting multiples of the divisor.

Addition and subtraction

789 + 642 becomes

$$\begin{array}{r} 789 \\ + 642 \\ \hline 1431 \\ \hline \end{array}$$

Answer: 1431

874 - 523 becomes

$$\begin{array}{r} 874 \\ - 523 \\ \hline 351 \\ \hline \end{array}$$

Answer: 351

932 - 457 becomes

$$\begin{array}{r} ^8 ^{12} ^1 \\ 932 \\ - 457 \\ \hline 475 \\ \hline \end{array}$$

Answer: 475

932 - 457 becomes

$$\begin{array}{r} ^1 ^1 \\ 932 \\ - 457 \\ \hline 475 \\ \hline \end{array}$$

Answer: 475

Short multiplication

24 × 6 becomes

$$\begin{array}{r} 24 \\ \times 6 \\ \hline 144 \\ \hline \end{array}$$

Answer: 144

342 × 7 becomes

$$\begin{array}{r} 342 \\ \times 7 \\ \hline 2394 \\ \hline \end{array}$$

Answer: 2394

2741 × 6 becomes

$$\begin{array}{r} 2741 \\ \times 6 \\ \hline 16446 \\ \hline \end{array}$$

Answer: 16 446

Long multiplication

24 × 16 becomes

$$\begin{array}{r} 2 \\ \times 1 \\ \hline 2 0 \\ 1 4 \\ \hline 3 4 \end{array}$$

Answer: 384

124 × 26 becomes

$$\begin{array}{r} 1 \\ 2 \\ \times 2 \\ \hline 2 8 \\ 7 4 \\ \hline 3 2 4 \\ \hline 1 \end{array}$$

Answer: 3224

124 × 26 becomes

$$\begin{array}{r} 1 \\ 2 \\ \times 2 \\ \hline 7 4 \\ 2 8 \\ \hline 3 2 4 \\ \hline 1 \end{array}$$

Answer: 3224

Short division

98 ÷ 7 becomes

$$\begin{array}{r} 1 \\ 7 \overline{) 9 } \\ \underline{7 } \\ 2 \\ \underline{2 } \\ 0 \end{array}$$

Answer: 14

432 ÷ 5 becomes

$$\begin{array}{r} 8 \text{ r } 2 \\ 5 \overline{) 4 2} \\ \underline{4 0} \\ 3 \\ \underline{3 } \\ 2 \end{array}$$

Answer: 86 remainder 2

496 ÷ 11 becomes

$$\begin{array}{r} 4 \text{ r } 1 \\ 1 \overline{) 4 6} \\ \underline{4 0} \\ 6 \end{array}$$

Answer: $45\frac{1}{11}$

Long division

432 ÷ 15 becomes

$$\begin{array}{r} 2 \text{ r } 12 \\ 1 \overline{) 4 2} \\ \underline{3 0} \\ 1 2 \\ \underline{1 0} \\ 1 \end{array}$$

Answer: 28 remainder 12

432 ÷ 15 becomes

$$\begin{array}{r} 2 \\ 1 \overline{) 4 2} \\ \underline{3 0} \\ 1 2 \\ \underline{1 0} \\ 1 \end{array}$$

15×20

15×8

$$\frac{12}{15} = \frac{4}{5}$$

Answer: $28\frac{4}{5}$

432 ÷ 15 becomes

$$\begin{array}{r} 2 \cdot 8 \\ 1 \overline{) 4 2 \cdot 0} \\ \underline{3 } \downarrow \\ 1 2 \\ \underline{1 0} \downarrow \\ 1 0 \\ \underline{1 0} \\ 0 \end{array}$$

Answer: 28.8

Science - Key stage 1 – Year 1 Programme of Study

Plants

Statutory requirements

Pupils should be taught to:

- identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
- identify and describe the basic structure of a variety of common flowering plants, including trees.

Animals, including humans

Statutory requirements

Pupils should be taught to:

- identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- identify and name a variety of common animals that are carnivores, herbivores and omnivores
- describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)
- identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.

Everyday materials

Statutory requirements

Pupils should be taught to:

- distinguish between an object and the material from which it is made
- identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock

Statutory requirements

- describe the simple physical properties of a variety of everyday materials
- compare and group together a variety of everyday materials on the basis of their simple physical properties.

Seasonal changes

Statutory requirements

Pupils should be taught to:

- observe changes across the four seasons
- observe and describe weather associated with the seasons and how day length varies.

Art and Design

Subject Content

Key stage 1

Pupils should be taught:

- to use a range of materials creatively to design and make products
- to use drawing, painting and sculpture to develop and share their ideas, experiences and imagination
- to develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space
- about the work of a range of artists, craft makers and designers, describing the differences and similarities between different practices and disciplines, and making links to their own work.

Computing

Subject Content

Key stage 1

Pupils should be taught to:

- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs
- use technology purposefully to create, organise, store, manipulate and retrieve digital content
- recognise common uses of information technology beyond school
- use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

Design and Technology

Subject Content

Key stage 1

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skills needed to engage in an iterative process of designing and making. They should work in a range of relevant contexts [for example, the home and school, gardens and playgrounds, the local community, industry and the wider environment].

When designing and making, pupils should be taught to:

Design

- design purposeful, functional, appealing products for themselves and other users based on design criteria
- generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

Make

- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]
- select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

Evaluate

- explore and evaluate a range of existing products
- evaluate their ideas and products against design criteria

Technical knowledge

- build structures, exploring how they can be made stronger, stiffer and more stable
- explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.

Cooking and nutrition

As part of their work with food, pupils should be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open a door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.

Pupils should be taught to:

Key stage 1

- use the basic principles of a healthy and varied diet to prepare dishes
- understand where food comes from.

Geography

Subject Content

Key stage 1

Pupils should develop knowledge about the world, the United Kingdom and their locality. They should understand basic subject-specific vocabulary relating to human and physical geography and begin to use geographical skills, including first-hand observation, to enhance their locational awareness.

Pupils should be taught to:

Locational knowledge

- name and locate the world's seven continents and five oceans
- name, locate and identify characteristics of the four countries and capital cities of the United Kingdom and its surrounding seas

Place knowledge

- understand geographical similarities and differences through studying the human and physical geography of a small area of the United Kingdom, and of a small area in a contrasting non-European country

Human and physical geography

- identify seasonal and daily weather patterns in the United Kingdom and the location of hot and cold areas of the world in relation to the Equator and the North and South Poles
- use basic geographical vocabulary to refer to:
 - key physical features, including: beach, cliff, coast, forest, hill, mountain, sea, ocean, river, soil, valley, vegetation, season and weather
 - key human features, including: city, town, village, factory, farm, house, office, port, harbour and shop

Geographical skills and fieldwork

- use world maps, atlases and globes to identify the United Kingdom and its countries, as well as the countries, continents and oceans studied at this key stage
- use simple compass directions (North, South, East and West) and locational and directional language [for example, near and far; left and right], to describe the location of features and routes on a map

- use aerial photographs and plan perspectives to recognise landmarks and basic human and physical features; devise a simple map; and use and construct basic symbols in a key
- use simple fieldwork and observational skills to study the geography of their school and its grounds and the key human and physical features of its surrounding environment.

History

Subject content

Key stage 1

Pupils should develop an awareness of the past, using common words and phrases relating to the passing of time. They should know where the people and events they study fit within a chronological framework and identify similarities and differences between ways of life in different periods. They should use a wide vocabulary of everyday historical terms. They should ask and answer questions, choosing and using parts of stories and other sources to show that they know and understand key features of events. They should understand some of the ways in which we find out about the past and identify different ways in which it is represented.

In planning to ensure the progression described above through teaching about the people, events and changes outlined below, teachers are often introducing pupils to historical periods that they will study more fully at key stages 2 and 3.

Pupils should be taught about:

- changes within living memory. Where appropriate, these should be used to reveal aspects of change in national life
- events beyond living memory that are significant nationally or globally [for example, the Great Fire of London, the first aeroplane flight or events commemorated through festivals or anniversaries]
- the lives of significant individuals in the past who have contributed to national and international achievements. Some should be used to compare aspects of life in different periods [for example, Elizabeth I and Queen Victoria, Christopher Columbus and Neil Armstrong, William Caxton and Tim Berners-Lee, Pieter Bruegel the Elder and LS Lowry, Rosa Parks and Emily Davison, Mary Seacole and/or Florence Nightingale and Edith Cavell]
- significant historical events, people and places in their own locality.

Languages

Purpose of study

Learning a foreign language is a liberation from insularity and provides an opening to other cultures. A high-quality languages education should foster pupils' curiosity and deepen their understanding of the world. The teaching should enable pupils to express their ideas and thoughts in another language and to understand and respond to its speakers, both in speech and in writing. It should also provide opportunities for them to communicate for practical purposes, learn new ways of thinking and read great literature in the original language. Language teaching should provide the foundation for learning further languages, equipping pupils to study and work in other countries.

Aims

The national curriculum for languages aims to ensure that all pupils:

- understand and respond to spoken and written language from a variety of authentic sources
- speak with increasing confidence, fluency and spontaneity, finding ways of communicating what they want to say, including through discussion and asking questions, and continually improving the accuracy of their pronunciation and intonation
- can write at varying length, for different purposes and audiences, using the variety of grammatical structures that they have learnt
- discover and develop an appreciation of a range of writing in the language studied.

Attainment targets

By the end of each key stage, pupils are expected to know, apply and understand the matters, skills and processes specified in the relevant programme of study.

Schools are not required by law to teach the example content in [square brackets].

Subject content

Key stage 2: Foreign language

Teaching may be of any modern or ancient foreign language and should focus on enabling pupils to make substantial progress in one language. The teaching should provide an appropriate balance of spoken and written language and should lay the foundations for further foreign language teaching at key stage 3. It should enable pupils to understand and communicate ideas, facts and feelings in speech and writing, focused on familiar and routine matters, using their knowledge of phonology, grammatical structures and vocabulary.

The focus of study in modern languages will be on practical communication. If an ancient language is chosen the focus will be to provide a linguistic foundation for reading comprehension and an appreciation of classical civilisation. Pupils studying ancient languages may take part in simple oral exchanges, while discussion of what they read will be conducted in English. A linguistic foundation in ancient languages may support the study of modern languages at key stage 3.

Pupils should be taught to:

- listen attentively to spoken language and show understanding by joining in and responding
- explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words
- engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help*
- speak in sentences, using familiar vocabulary, phrases and basic language structures
- develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases*
- present ideas and information orally to a range of audiences*
- read carefully and show understanding of words, phrases and simple writing
- appreciate stories, songs, poems and rhymes in the language
- broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary
- write phrases from memory, and adapt these to create new sentences, to express ideas clearly
- describe people, places, things and actions orally* and in writing

- understand basic grammar appropriate to the language being studied, including (where relevant): feminine, masculine and neuter forms and the conjugation of high-frequency verbs; key features and patterns of the language; how to apply these, for instance, to build sentences; and how these differ from or are similar to English.

The starred (*) content above will not be applicable to ancient languages.

Music

Subject Content

Key stage 1

Pupils should be taught to:

- use their voices expressively and creatively by singing songs and speaking chants and rhymes
- play tuned and untuned instruments musically
- listen with concentration and understanding to a range of high-quality live and recorded music
- experiment with, create, select and combine sounds using the inter-related dimensions of music.

Key stage 2

Pupils should be taught to sing and play musically with increasing confidence and control. They should develop an understanding of musical composition, organising and manipulating ideas within musical structures and reproducing sounds from aural memory.

Pupils should be taught to:

- play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression
- improvise and compose music for a range of purposes using the inter-related dimensions of music
- listen with attention to detail and recall sounds with increasing aural memory
- use and understand staff and other musical notations
- appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians
- develop an understanding of the history of music.

Physical education

Subject Content

Key stage 1

Pupils should develop fundamental movement skills, become increasingly competent and confident and access a broad range of opportunities to extend their agility, balance and coordination, individually and with others. They should be able to engage in competitive (both against self and against others) and co-operative physical activities, in a range of increasingly challenging situations.

Pupils should be taught to:

- master basic movements including running, jumping, throwing and catching, as well as developing balance, agility and co-ordination, and begin to apply these in a range of activities
- participate in team games, developing simple tactics for attacking and defending
- perform dances using simple movement patterns.