

National Curriculum Overview - Year 4



- Lower Key Stage 2

 Spoken Language (Years 1 to 6)

 Isten 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-sitructured 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

 uses poken alnaguage to develop understanding through speculating, hypothesising, imaginin and exploring ideas

 speak adultly and fluently with an increasing command of Standard English

 participate in discussions, presentations, performances, role play, improvisations and debates

- consider and evaluate con-of others select and use appropriate registers for effective communication

- Reading: Word Reading

 apply their growing knowledge of root words, prefixes and suffixes (etymology a morphology) as listed in English Appendix 1, both to read aloud and to understand the meaning of new words they meet

 read further exception words, noting the unusual correspondences between spelling and sound, and where these occur in the word.

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 Reading: Comprehension

 Develop possible attitudes to reading and understanding of what they read by

 Isleaning to and discussing a wide range of liction, poetry, plays, non-liction and reference books or textbooks

 reading books that are structured in different ways and reading for a range of purposes

 using dictionaries to check the meaning of words that they have read

 increasing their familiarity with a wide range of books, including fairy stories, myths and legends, and retelling some of these orally

 identifying themes and conventions in a wide range of books

 preparing poems and play scripts to read aloud and to perform, showing understanding through intonation, tone, volume and action

 recognising some different forms of poetry [for example, free verse, narrative poetry]

 Understand what they read, in books they can read independently, by:

 checking that the text makes sense to them, discussing their understanding and explaining the meaning of words in context

 asking questions to improve their understanding of a text

 drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence

 identifying main ideas of aroun from more than one paragraph and summarising these

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 identifying how language, structure, and presentation contribute to meaning

 retrieve and record information from non-fiction

 participate in discussion about both books that are read to them and those they can read for themselves, taking turns and listening to what others say.

 Writing: Transcription

- Writing: Transcription

 use further prefixes and suffixes and understand how to add them (English Appendix 1)

- spell further homophones
 spell words that are often miss-pelt (English Appendix 1)
 place the possessive apostrophe accurately in words with regular plurals [for example, girls
 boys] and in words with irregular plurals [for example, children's]
 use the first two or three letters of a word to check its spelling in a dictionary
 write from memory simple sentences, dictated by the teacher, that include words and
 punctuation taught so far.

- Writing: Handwriting

 use the diagonal and horizontal strokes that are needed to join letters and understand while letters, when adjacent to one another, are best left unjoined

 increase the legibility, consistency and quality of their handwriting [for example, by ensuring that the down-strokes of letters are parallel and equidistant; that lines of writing are spac sufficiently so that the ascenders and descenders of letters do not touch).

Writing: Composition

- Writing: Composition

 Plan their winting by:

 discussing writing by:

 discussing writing similar to that which they are planning to write in order to understand an learn from its structure, vocabulary and grammar

 decussing and recording ideas

 decussing and rehearsing sentences orally (including dialogue), progressively building varied and rich vocabulary and an increasing range of sentence structures (English Appendi
- tional devices [for example, headings and
- Evaluate & edit by:

 assessing the effectiveness of their own and others' writing and suggesting improvements proposing changes togrammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences or produced for spelling and punctuation errors
 produced for spelling and punctuation errors
 read-field their enderson, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.

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 Writing: Vocabulary, Grammar & Punctuation

 Develop their understanding of the concepts set out in English Appendix 2 by:

 extending the range of sentences with more than one clause by using a wider range of conjunctions, including when, if, because, although

 using the present perfect form of verbs in contrast to the pasttense

 choosing nouns or pronouns appropriately for clarity and cohesion and to avoid repetition

 using conjunctions, adverbs and prepositions to express time and cause

 using fronted adverbias

 learning the grammar for years 3 and 4 in English Appendix 2

 Indicates grammatical and other features by:

 using commas after fronted adverbias

 indicating possession by using the possessive apostrophe with plural nouns

 using and punctuating direct speech

 use and understand the grammatical terminology in English Appendix 2 accurately and appropriately when discussing their writing and reading.

Languages

- Stage 2

 Sitistia 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 thos

- engage in conversations; ask and answer questions; express opinions and respond to thor of others; seek claffication and help?

 speak in sentences, using familiar vocabulary, phrases and basic language structures depended to the control of the co

- clearly describe people, places, things and actions orally and in writing describe people, places, things and actions orally and in writing understand basic grammar appropriate to the language being studied, including (wh relevant): ferninien, 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 bu sentences; and how these differ from or are similar to English. starred (*) content will not be applicable to ancient languages.

Physical Education

- Key Stage 2
 use running, jumping, throwing and catching in isolation and in combination
 play competitive games, modified where appropriate [for example, badminton,
 basketbal, cricket, footbal, hockey, netball, rounders and tennis], and apply basic
 principles suitable for attacking and defending
 develop flexibility, strength, technique, control and balance [for example, through
 athletics and gymnastics]
 perform dance using a range of movement patterns
 take part in outdoor and adventurous activity challenges both individually and within a
 fearn

- compare their performances with previous ones and demonstrate improvement to achieve their personal best.

Swimming & Water Safety All schools must provide swimm

- imming & Water Safety
 schools must provide swimming instruction either in KS1 or KS2.
 swim competently, confidently and proficiently over a distance of at least 2
 use a range of strokes effectively (for example, front crawl, backstroke and
 breaststroke)
 perform safe self-rescue in different water-based situations.

Number: Number & Place Value

- find 1000 more or less than a given number count backwards through zero to include negative numbers recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) order and compare numbers beyond 1000 identify, represent and estimate numbers using different representations round any number to the nearest 10, 100 or 1000 solve number and practical problems that involve all of the above and with increasingly large positive numbers
- positive fulfillions
 read Roman numerals to 100 (I to C) and know that over time, the numeral system changed
 to include the concept of zero and place value.

- hber: Addition & Subtraction
 add and subtract numbers with up to 4 digits using the formal written methods of columnar
 addition and subtraction where appropriate
 estimate and use inverse operations to check answers to a calculation
 solve addition and subtraction two-step problems in contexts, deciding which operations and
 methods to use and why.

- Number: Multiplication & Division

 recall multiplication and division facts for multiplication tables up to 12 12

 use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1, dividing by 1 multiplying together three numbers

 recognise and use factor pairs and commutativity in mental calculations

 multiply two-digit and three-digit numbers by a one-digit number using formal written layout

 solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.

- Number: Fractions

 recognise and show, using diagrams, families of common equivalent fractions

 count up and down in hundredths; recognise that hundredths arise when dividing an object
- recognise and show, using diagrams, Iamines or common equivalent near-count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number add and subtract fractions with the same denominator

- add and subtract fractions with the same denominator recognise and write decimal equivalents of any number of tenths or hundredths recognise and write decimal equivalents to 1/4, 1/2, 3/4 find the effect of dividing a one- or two-dight number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths round decimals with one decimal place to the nearest whole number coundare numbers with the same number of decimal places up to two decimal places solve simple measure and money problems involving fractions and decimals to two decimal solve simple measure and money problems involving fractions and decimals to two decimal

- measure and canding the periodic and metres
 find the area of rectilinear shapes by counting squares
 estimate compare and calculate different measures, including money in pounds and pence

- metry: Properties of Shapes compare and classify geometric shapes, including quadrilaterals and triangles, based on
- their properties and sizes identify acute and obtuse angles and compare and order angles up to two right angles by

- Geometry: Position & Direction
 describe positions on a 2-D grid as coordinates in the first quadrant
 describe movements between positions as translations of a given unit to the left/right and
- Interpret and present unscreed and bottombods data using appropriate graphical mention including but charts and time graphs.
 solve comparison, sum and difference problems using information presented in bar chipicograms, tables and other graphs.
 complete a simple symmetric figure with respect to a specific line of symmetry.

- Geometry: Position & Direction

 describe positions on a 2-D grid as coordinates in the first quadrant

 describe movements between positions as translations of a given unit to the left/right.
 - plot specified points and draw sides to complete a given polygon.

- interpret and present discrete and continuous data using appropriate graphical metnods, including bar charts and time graphs. solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Design & Jechnology

Design

- use research and develop design criteria to inform the design of innovative, funappealing products that are fit for purpose, aimed at particular individuals or grou

- generate, develop, model and communicate their ideas through discussion, annot
sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and
computer-aided design

- raske select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic

- Evaluate

 Investigate and analyse a range of existing products evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

 understand how key events and individuals in design and technology have helped shape the world

- apply mer understanding of now to strengthen, stitten and reinforce more complex structures structures understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] apply their understanding of computing to program, monitor and control their products

Computina

- and collaboration use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

Egremont Primary School

Science.

Working Scientifically (Lower Key Stage 2)

- rxing Scientrifically (Lower key Stage 2) assking different types of scientific enquiries to answer them setting up simple practical enquiries, comparative and fair tests making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers gathering, recording, classifying and presenting data in a variety of ways to help in answering puestions:
- questions
 recording findings using simple scientific language, drawings, labelled diagrar
 charts, and tables
- and tables g on findings from enquiries, including oral and written explanations.
- reporting of including the including that and written explanations, usipays presentations of results and conclusions using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions identifying differences, similarities or changes related to simple scientific ideas and

Living Things & Their Habitats

- Ng Things & Inter Habitats
 recognise that living things can be grouped in a variety of ways
 explore and use classification keys to help group, identify and name a variety of living things
 in their local and wider environment
 recognise that environments can change and that this can sometimes pose dangers to living

Animals (including humans) describe the simple functions of the basic parts of the digestive system in humans identify the different types of teeth in humans and their simple functions construct and interpret a variety of food chains, identifying producers, predators and prey-

- tes of matter compare and group materials together, according to whether they are solids, liquids or gases observe that some materials change state when they are heated or cooled, and measure research the temperature at which this happens in degrees Celsius ("C) identify the part played by evaporation and condensation in the water cycle and associa the rate of evaporation with temperature.

- identify how sounds are made, associating some to unent mun softneuting manager recognise that vibrations from sounds travel through a medium to the ear find patterns between the pitch of a sound and features of the object that produced it find patterns between the volume of a sound and the strength of the vibrations that produced it.

History

Ney stage 2. Pupils should continue to develop a chronologically secure knowledge and understanding of sin, local and world history, establishing clear narratives within and across the periods study. They should note connections, contrasts and trends over time and develop the approx use of historical terms. They should regularly address and sometimes devise historically questions about change, cause, similarly and difference, and significance. They should contrast to the contrast of the co

- . changes in Britain from the Stone Age to the Iron Age
- Changes in Britain from the Stoller Age to the from Age
 the Roman Empire and its impact on Britain's settlement by Anglo-Saxons and Scots
 the Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the
 Confessor
- beyond 1066 the achievements of the earliest civilizations an overview of where and when the fi civilizations appeared and a depth study of one of the following: Ancient Sumer; The Ind Valley; Ancient Egypt; The Shang Dynasty of Ancient China Ancient Greece a study of Greek life and achievements and their influence on the weste
- world a non-European society that provides contrasts with British history one study chose early Islamic civilization, including a study of Baghdad c. AD 900; Mayan civilization c. Benin (West Africa) c. AD 900-1300.

art & Design

- Kev Stage 2
- ate sketch books to record their observations and use them to review and revisit
- to to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay] about great artists, architects and designers in history.

Geography

Key Stage 2

- ational Knowledge
 locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Trojcsof Cancer and Capricom, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)

- Human & Physical Geography
- numeri or rinysta scolgraphy
 Describe and understand key aspects of:
 physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle
 human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and

- y Stage 2 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.