

Curriculum Overview for Year 5

English

- Add phrases to make sentences more precise & detailed.
- Use range of sentence openers – judging the impact or effect needed.
- Begin to adapt sentence structure to text type.
- Use pronouns to avoid repetition.
- Use: Brackets. Dashes. Commas.
- Use commas to clarify meaning or avoid ambiguity.
- Link clauses in sentences using a range of subordinating & coordinating conjunctions.
- Use verb phrases to create subtle differences (e.g. she began to run).
- Consistently organize into paragraphs.
- Link ideas across paragraphs using adverbials of time (e.g. later), place (e.g. nearby) and number (e.g. secondly).
- Legible and fluent handwriting style.

- Summarises main points of an argument or discussion within their reading & makes up own mind about issue/s.
- Can compare between two texts.
- Appreciates that people use bias in persuasive writing.
- Appreciates how two people may have a different view on the same event.
- Draw inferences and justify with evidence from the text.
- Varies voice for direct or indirect speech.
- Recognise: o clauses within sentences
- Uses more than one source when carrying out research.
- Creates set of notes to summarise what has been read.

Art & Design

- Pupils should be taught to develop their techniques, including their control and their use of materials, with creativity, experimentation and an increasing awareness of different kinds of art, craft and design.
- to create sketch books to record their observations and use them to review and revisit ideas
- to improve their mastery of art and design techniques, including drawing and painting with a range of materials
- about great artists and architects

Computing

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- understand computer networks including the internet, how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration
- use search technologies effectively,
- use technology safely, respectfully and responsibly; know a range of ways to report concerns and inappropriate behaviour
- select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Design & Technology

- use research and develop design criteria to inform the design of innovative functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- generate, develop, model and communicate their ideas through discussion, annotated sketches, prototypes and pattern pieces
- select from and use a wider range of tools and equipment to perform practical tasks, such as cutting, shaping, joining and finishing, accurately
- select from and use a wider range of materials, components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.
- evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.

Geography

- locate the world's countries, using maps to focus on Europe and North America.
- identify the position and significance of the Equator, Northern Hemisphere, Southern Hemisphere,
- understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North America
- climate zones
- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- use the eight points of a compass

Mathematics

- Count forwards and backwards with positive and negative numbers through zero.
- Count forwards and backwards in steps of powers of 10 for any given number up to 1000000.
- Compare and order numbers with 3 decimal places.
- Read Roman numerals to 1000.
- Identify all multiples and factors, including finding all factor pairs.
- Use known tables to derive other number facts.
- Recall prime numbers up to 19.
- Recognise place value of any number up to 1,000,000.
- Round any number to 1,000,000 to the nearest 10, 100, 1000, 10,000 or 100,000.
- Round decimals with 2 decimal places to nearest whole number and 1 decimal place.
- Add and subtract:** Numbers with more than 4-digits using efficient written method (column).
- Numbers with up to 2 decimal places.
- Multiply:** 4-digits by 1-digit/ 2-digit
- Divide:** 4-digits by 1-digit
- Multiply and divide:** Whole numbers and decimals by 10, 100 & 1000
- Count up/down in thousandths.
- Recognise mixed numbers and fractions and convert from one to another.
- Multiply proper fractions by whole numbers.
- Solve time problems using timetables and converting between different units of time.

Modern Languages

- Listen attentively to spoken language and show understanding by joining in and responding:
- Explore the patterns and sounds of the language through songs and rhymes and link the spelling, sound and meaning of words:
- 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:
- Read carefully and show understanding of words, phrases and simple writing:
- Appreciate stories, songs, poems and rhymes in Spanish:
- Broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary:
- 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.

Music

- 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.
- 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
- 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.

Science

- explain the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- describe the life process of reproduction in some plants and animals.
- describe the changes as humans develop from birth to old age.
- compare and group together everyday materials based on evidence from comparative and fair tests, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
- understand that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- demonstrate that dissolving, mixing and changes of state are reversible changes
- explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.
- describe the movement of the Earth, and other planets, relative to the Sun in the solar system
- describe the movement of the Moon relative to the Earth
- describe the Sun, Earth and Moon as approximately spherical bodies
- use the idea of the Earth's rotation to explain day and night.
- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- understand that force and motion can be transferred through mechanical devices such as gears, pulleys, levers and springs.

History

- the legacy of Greek culture (art, architecture or literature)
- the achievements of the earliest civilizations: The Shang Dynasty of Ancient China
- Ancient Greece – a study of Greek life and achievements and their influence on the western world

Physical Education

- use running, jumping, throwing and catching in isolation and in combination
- play competitive games, modified where appropriate, such as badminton, basketball, cricket, football, 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 dances using a range of movement patterns
- take part in outdoor and adventurous activity challenges both individually and within a team
- compare their performances with previous ones and demonstrate improvement to achieve their personal best.

RE/Come & See

- Ourselves** Created in the image and likeness of God
- Life Choices** Marriage commitment and service
- Hope** Waiting in joyful hope for Jesus; the promised one
- Judaism** Pesach
- Hinduism** Brahman, belief in one God, Pilgrimage
- Mission** Continuing Jesus' mission in diocese
- Memorial Sacrifice** The Eucharist the living memorial of Jesus' sacrifice
- Sacrifice** Lent, a time of aligning with the sacrifice already made by Jesus
- Transformation** Celebration of the Spirit's transforming power
- Freedom & Responsibility** Commandments enable Christians to be free & responsible
- Stewardship** The Church is called to stewardship of Creation

