

Computing

In computing the children will:

- Design and write programs to solve problems.
- Use sequences, repetition, inputs, variables and outputs in programs.
- Detect and correct errors in programs.
- Understand uses of networks for collaboration and communication.
- Be discerning in evaluating digital content.

Design Technology

In DT the children will:

- Use research and criteria to develop products which are fit for purpose and aimed at specific groups.
- Use annotated sketches, cross section diagrams and computer aided designs.
- Analyse and evaluate existing products and improve own work.
- Use mechanical and electrical systems in own products, including programming.
- Cook savoury dishes for a healthy and varied diet.

English:

Reading:

- Read and discuss a broad range of genres and texts.
- Recommend books to others.
- Make comparisons within/across books.
- Support inferences with evidences.
- Summarise key points from texts.
- Identify how language, structure ... contribute to meaning.
- Discuss of use of language including figurative.
- Discuss and explain reading providing reasoned justifications for views.

Writing:

- Use knowledge of morphology and etymology in spelling.
- Develop person legible handwriting style.
- Plan writing to suit audience and purpose use models of writing
- Develop character and setting in narrative.
- Select grammar and vocabulary for effect.
- Use a wide range of cohesive devices.
- Ensure grammatical consistency.

Grammar:

- Use appropriate register/style.
- Use the passive voice for purpose.
- Use features to convey and clarify meaning.
- Use full punctuation.
- Use language of subject/object.

Speaking and Listening:

- Use questions to build knowledge.
- Articulate arguments and opinions.
- Use spoken language to speculate, hypothesise and explore.
- Use appropriate register and language.

Art

In art the children will:

- Use sketchbooks to collect, record and evaluate ideas.
- Improve mastery of techniques such as drawing, painting and sculpture with varied materials.
- Learn about great artists, architects and designers.

Year Six

Languages

In languages the children will:

* Listen and engage, engage in conversations, expressing opinions, speak in simple language and be understood, develop appropriate pronunciation, present ideas and info orally, show understanding in simple reading, adapt known language to create new ideas, describe people, places and things and understand basic grammar.

Music

In music the children will:

- Perform with control and expression solo and in ensembles.
- Improvise and compose using dimensions of music.
- Listen to detail and recall aurally.
- Use and understand basics of staff notation.
- Develop an understanding of the history of music, including great musicians and composers.

Physical Education

In PE the children will:

- Use running, jumping, catching and throwing in isolation and combination.
- Play competitive games.
- Develop flexibility and control in gym, dance and athletics.
- Compare performance to achieve PB'S.
- Achieve swimming proficiency at 25m

Science

In science the children will:

- Understand classification including micro organisms.
- Understand and discuss health and lifestyles including circulatory system.
- Understand evolution and adaptation.
- Discover more about light and shadows including the eye.
- Understand forces including gravity.
- Discover more about electricity including investigating circuits.

MATHS:

In Number and Mental Mathematics the children will:

- Use negative numbers in context and calculate intervals across zero.
- Compare and order numbers up to 10,000,000.
- Identify common factors, common multiples and prime numbers.
- Round any whole number to a required degree of accuracy.
- Identify the value of each digit to 3 decimal places.
- Use knowledge of order of operations to carry out calculations involving four operations.
- Multiply:
 - 4-digit by 2-digit
- Divide:
 - 4-digit by 2-digit
- Add and subtract fractions with different denominators and mixed numbers.
- Multiply simple pairs of proper fractions, writing the answer in the simplest form.
- Divide proper fractions by whole numbers.
- Calculate % of whole number.

History

In history the children will:

- Study an extended period of study.
- Discover more about a broader history study on a Non-European society.

Geography

In geography the children will:

- Name and locate countries, cities, regions and features of the UK.
- Understand latitude, longitude, Equator, hemispheres, tropics, polar circles and time zones.
- Study a region of Europe and the Americas.
- Understand biomes, vegetation belts, land use, economic activity, distribution of resources.
- Use 4 and 6 figure grid references on OS maps.
- Use fieldwork to record and explain areas.