

English

Reading

Use a wide range of texts to:

- develop positive attitudes to reading and comprehension.
- learn to read for different purposes.
- identify words and phrases that capture the reader's interest and imagination.
- to draw inferences, make predictions and ask questions.
- to identify main ideas and summarise.
- identify how language, structure and presentation contribute to meaning.

Writing

- Increase legibility, consistency and quality of handwriting.
- Use prefixes and suffixes in spelling.
- Use texts as a model for planning own writing.
- Compose and rehearse sentences orally for writing.
- Create settings, characters and plots.
- Proof read for spelling and punctuation errors.
- Build a rich and varied vocabulary and increase range of sentence structures

Grammar

- Explore the different parts of speech to enhance sentence structures.
- Use speech punctuation, apostrophes and fronted adverbials

Speaking & Listening

- Give well-structured descriptions, explanations and narratives.
- Participate actively in collaborative conversations.
- Use spoken language to develop understanding.

Mathematics

Number/Calculation

- Know multiplication and division facts for all times tables.
- Know 10, 100 and 1000 more than any given number.
- Compare and order numbers up to and beyond 1000.
- Use formal written methods for addition and subtraction of up to 4 digits.
- Use inverse operations to check answers.
- Solve 2-step problems.

Geometry & Measure

- Measure and compare length, mass and volume.
- Measure and calculate perimeter and area.
- Compare and classify shapes including quadrilaterals.
- Add and subtract amounts of money to give change.

Fractions & Decimals

- To recognise equivalent fractions.
- Count up and down in 10ths and 100ths.
- Compare and order unit fractions.

Data

- Interpret and present data using bar charts, pictograms and tables.

Music

Pupils will:

- Perform music with increasing accuracy, fluency, control and expression.
- Improvise and compose music using the dimensions of music.
- Listen to and aurally recall sounds.
- Use and understand staff notation.
- Appreciate music from different traditions.

Science

Biology

Animals including humans -

Construct and interpret a variety of food chains, identifying producers, predators and prey.

Living things and Habitats -

Group living things and use classification keys

Chemistry

States of Matter -

Group materials as solids, liquids and gases and identify how they change state when heated or cooled.

Physics

Sound -

Identify that sounds are made by vibrations travelling through a medium to the ear.

Electricity -

Construct simple circuits using different components

Design & Technology

Through the topic 'Storybooks', children will:

- research the moving parts of storybooks to inform designs.
- use different mediums to produce their own designs.
- use different materials to create storybooks with moving parts.

Physical Education

Through the year, children will:

- play competitive games, learning to attack and defend.
- develop athletic and gymnastic skills.
- use running, jumping, throwing and catching skills.

Art & Design

Through the topic 'Journeys', children will:

- develop an awareness of different kinds of art, craft and design.
- improve their mastery of art and design techniques with a range of materials.
- learn about great artists and art from history.

History

By studying the Vikings, children will:

- know who the Vikings were and when they were active.
- know about the Viking way of life and use a range of sources.
- understand that there are different interpretations of their invasion and settling.
- visit the Danelaw Village for a day as a Viking.

By studying the non-European society of the Mayans, children will:

- study a society that contrasts with British history.

Religious Education

The topics this year include:

- **God and Us** – God the Creator and Provider.
- **Who was Jesus?** – Looking at 2000 year old evidence.
- **What is the Bible?** – What is it and how is it used?
- **Celebrations** – Milestones in the Church year.
- **Teaching and Authority** – The Commandments as rules for living.
- **Islam** – The role of Mosque and prayer in the life of Muslims.

Computing

- Gain an enhanced knowledge and understanding/use of iPads to accelerate/enhance learning.
- To be able to type fluently at speed, and check work for any errors which may occur.
- Design, write and debug programs/apps.
- To understand about input and output data and use sequences.
- To be able to write an algorithm and check for errors.
- Develop a knowledge of how the internet can be used as a research tool.
- Be able to use programs to evaluate, collect and analyse/present data.
- Begin to understand about networks and collaborative communication in the modern age.
- Be able to stay safe while using a variety of ICT equipment/software, and to know how to report concerns about content and contact.

Geography

Through the topic 'Countries of the World', children will:

- use maps to locate the world's countries.
- compare physical and human geography of different regions.
- describe and understand key aspects of physical geography.