

Science

We will be covering two topics in summer term.

States of matter

- Know that materials can be grouped into solids, liquids and gases.
- Know that some materials change state when they are heated or cooled.
- Know the temperature at which change of state occurs in degrees Celsius (°C)
- Know the part played by evaporation and condensation in the water cycle.
- Know that the rate of evaporation is associated with temperature.

Properties and changes in materials

- Know how materials can be grouped according to their properties, including, hardness, solubility, transparency, conductivity (electrical and thermal), and responses to magnets.
- Know that some materials will dissolve in liquid to form a solution.
- Know how to recover substances from a solution. Know how mixtures (of solids, liquids and gases) might be separated, including through filtering, sieving and evaporating.
- Know some particular uses of everyday materials, including metals, wood and plastic.
- Know that dissolving, mixing and changes of state are reversible changes.
- Know 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.

History

Our key questions this term are:

Who were the Vikings and where did they come from?

What were the Viking raids?

Why were the Vikings feared?

What was life like in Viking Britain?

How was Britain conquered between 950AD - 1066?

We will:

- Investigate and understand the Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor.
- Develop an awareness of the key features of the past.
- Use dates and key terms as appropriate with increasing accuracy.

Art, Design & Technology

How has History influenced our local area?

We will look at the style of Paula Scher and Graphic Designer, William de St-Calais.

We will develop our skills to:

- Identify and draw objects and use marks and lines to produce texture.
- Develop fine brush strokes.
- Exploring intensity of colour.
- Explain the style of our work and how it has been influenced by a famous artist.

Summer Term 2022-2023 Class 3H

Traders and Raiders

Computing

This term we are looking at data logging.

We will develop our skills to:

- Explain that data gathered over time can be used to answer questions.
- To use a digital device to collect data automatically.
- To explain that a data logger collects 'data points' from sensors over time.
- To use data collected over a long duration to find information.

Music

This term we will:

- Perform solo and as an ensemble, demonstrating a better grasp of dynamics.
- Recall the use of sounds from a range of pieces and compare their effect in those pieces.
- Compose and prepare a group to perform a composition to a given audience.
- Listen to and critically evaluate pieces of music from an increasingly broad range of artists, nations, cultures, and genres.

English

Reading

Reads aloud with appropriate volume and expression to make meaning clear to the audience.

Reads an increasingly wide range of books.

Selects books based on reading experiences and knowledge of books.

Distinguishes between fact and opinion in non-fiction reading.

Explains the effect and impact of author viewpoint.

Discusses author's use of language for impact and effect using technical terms (figurative language, similes, imagery, analogy, metaphor etc.).

Begins to make comparisons across and between books.

Begins to show the influence of reading in writing.

Builds up a repertoire of poems that are known by heart.

Prepares poems and plays to read aloud.

Writing

Write legibly, fluently and with increasing speed.

Planning writing by identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own.

Noting and developing initial ideas, drawing on reading and research where necessary.

Drafting and writing by selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning.

Describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action.

Using a wide range of devices to build cohesion within and across paragraphs.

Using further organisational and presentational devices to structure text and to guide the reader.

Evaluating and editing by proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning.

Maths

Compare and classify geometric shapes based on their properties and sizes

Identify acute and obtuse angles and compare and order angles by size

Identify lines of symmetry in 2-D shapes

Describe positions on a 2-D grid

Describe movements between positions as translations

Plot specified points and draw sides to complete a given polygon

Convert between different units of measure

Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres

Find the area of rectilinear shapes

Estimate, compare and calculate different measures, including money in pounds and pence

Read, write and convert time between analogue and digital 12 & 24 hour clocks

Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs

Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

RE

Our key question this term is:

What do we know about Christianity?

- Ask and answer questions
- Critical thinking
- Personal reflection

French

We will be building our phonic, grammar and vocabulary skills, looking at topics including, 'shapes' 'fruit' and 'in class'.

PHSE and RSE

Recognising and challenging stereotypes, discussing gender stereotypes.

Developing confidence in talking, listening, and thinking about feelings and relationships. Recognising different types of relationships.

Naming parts of the body and describing how their bodies work.

Understanding how they can protect themselves and ask for help and support.

Being prepared for puberty.

PE

Striking and fielding games

- Know how to link actions together
- Know how to communicate, collaborate and compete
- Have the knowledge to modify where appropriate
- Develop an understanding of how to improve

Athletics

- Know how to use a broader range of skills in isolation and combination
- Understand the rules of a competition
- Develop an understanding of how to improve and learn to evaluate and recognise their own success
- Know the skills needed to develop their strength, technique and control

Design & Technology

Topic – Workshop

- Understand that mechanical and electrical systems have an input, process and an output.
- Understand how gears and pulleys can be used to speed up, slow down or change the direction of movement.
- Know and use technical vocabulary relevant to the project.