

Science

We will be covering two topics in spring term.

Sound – What is sound?

- Know that some sounds are made by something vibrating. Know that vibrations from sounds travel through a medium to the ear.
- Know that the pitch of a sound is affected by the features of the object that produced it.
- Know that the stronger the vibration the louder the sound. Know that sounds get fainter as the distance from the source increases.

Electricity – Will the bulb light?

- Know some common appliances that run on electricity. Know the parts of a simple series circuit, including cells, wires, bulbs, switches and buzzers.
- Know whether or not a bulb will light in a simple series circuit (based on whether or not the lamp is part of a complete loop with a battery).
- Know that a switch opens and closes a circuit (and this affects whether or not a lamp will light in a simple series circuit).

History

What happened when the Romans left Britain?

- To understand the reasons for the end of Roman rule.
- To know the invasions and migrations of Angles, Saxons and Jutes.
- To know the key features of Anglo-Saxon life – power, beliefs, farming, conflict and later invaders.

We will be selecting, investigating and analysing different sources, making links between events, looking at similarities and differences and making comparisons.

Geography

Fantastic Forests – Why are they important?

- Locate the world's countries, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities.
- Name and locate key topographical features (including hills, mountains, coasts and rivers) and understand how some of these aspects have changed over time.

Describe and understand key aspects of:

- A physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle.
- A 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 water.

Art, Design & Technology

This term we will look at English artist and sculptor Barbara Hepworth and Graphic Designers Davis Carson and Morag Myerscough.

We will develop our skills to:

- Introduce perspective, fore, back and middle ground.
- Investigate proportions.
- Show tonal qualities by cross hatching.
- Design and create sculptures on both a small and large scale.
- Use first hand observations using different viewpoints, developing more abstract representations.

Spring Term 2022-2023 Class 3H

Fantastic Forests

Computing

This term we will:

- Design, write and debug programs that accomplish specific goals.
- 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 detect and correct errors in algorithms and programs.
- Select, use and combine a variety of software on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals.

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

Recognises an increasingly wide range of books including myths, legends, modern fiction, fiction from our literary heritage and stories from other cultures.

Talks about favourite authors and types of books, giving reasons for preferences.

Asks questions to enhance understanding of the text.

Retrieves information from a text, using efficient and effective methods.

Recognises author's viewpoint.

Uses inference and predictions to support reading.

Begins to identify descriptive and figurative language that has been used for effect.

Summarises main idea from more than one paragraph.

Writing

Continue to distinguish between homophones.

Use dictionaries to check the spelling and meaning of words.

Use a thesaurus.

In writing narratives, considers how authors have developed characters and settings in what they have read, listened to or seen performed.

Select appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning.

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

Assesses the effectiveness of their own and others' writing.

Proofreads their work for spelling and punctuation errors.

Maths

Multiplying 2-, 3- and 4-digits by 1-digit and 2-digits.

Dividing 2-, 3- and 4-digits by 1 digit.

Exploring fractions in different representations.

Investigating equivalent fractions.

Converting improper fractions to mixed numbers and mixed numbers to improper fractions.

Comparing and ordering fractions greater than 1.

Adding and subtracting fractions, including mixed numbers and improper fractions.

Multiplying fractions by a whole number.

Finding unit and non-unit fractions of a quantity.

Exploring tenths and hundredths.

Recognising tenths, hundredths, and thousandths as decimals and as fractions.

Read and write numbers up to two decimal places.

Representing numbers as decimals and fractions.

Understanding percentages and representing these as decimals and fractions.

Multiplying and dividing by Powers of 10.

Adding and subtracting decimals.

RE

Our key question this term is:

How and why do people care for each other and the environment?

- Ask and answer questions
- Critical thinking
- Personal reflection

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

Acrobatic Gymnastics

Counter-balances and counter-tension

Part-weight bearing balances

Exploring actions, choosing balances

Incorporating apparatus

Creating warm-ups and stretching muscles

Outdoor and Adventurous

Teamwork

Orientating maps

Communication and problem-solving

Design Technology

Topic - Food

- Know how to use utensils and equipment to prepare and cook food.
- Understand about seasonality.
- Know and use relevant technical and sensory vocabulary.