



# Curriculum Newsletter



Spring: Year 5



## Reading

This term we shall be focusing on developing inference skills. Children will be reading between the lines and answering questions linked to impressions they have about characters, backing up their answers using evidence from the text. They shall be answering questions using APE (Answer, Prove, Explain).



### Magic of Story Text

#### Author Focus

Andrew Lane

## Mathematics

Children will learn to multiply 4-digit numbers by a 1-digit number leading to multiply by 2-digit numbers using the formal written method. Children will also learn how to order and compare fractions as well as applying these to equivalent percentages and decimals. Children will apply these skills to answer contextual reasoning questions.

### Key Vocabulary

Place value, numeral, difference, sum, product, round, decimal, multiplication, exchange, division, Fraction, numerator, denominator, percentage, negative, greater than, less than, decimal place, whole number.

## Computing

This term, the children will learn how we use data handling in our unit 'Mars Rover'. We will identify how and why data is collected from space and learn how to read and calculate numbers using binary code. We will then use simple operations to calculate bit patterns and finally represent binary as text.



### Key Vocabulary

Bit, byte, binary code, RAM, Mars rover, CPU, numerical data, hexadecimal

## Writing

This unit will allow the children to explore a classic text before applying writing themes to their own writing. Children will understand the difference between vocabulary of informal speech and vocabulary appropriate to formal speech. We will also be writing, relative clauses beginning with who, which, where, when, whose, that or an omitted relative pronoun. Children will then apply this to their own narrative and report.



### Vehicle Text

The Hound of the Baskervilles

## Science

The topic in Science this term is 'Earth & Space'. We will be looking at different phases of the Moon, where we will consider if the moon is only seen at night and if the moon creates its own light. As a class, we will look at the movement of the Earth and other planets relative to the Sun in the Solar System. Additionally, we will be learning about forces. We will identify the effects of different forces and how they act between different surfaces such as friction, air resistance and water resistance.

### Key Vocabulary

Rotation, axis, orbit, revolve, sun, moon, revolution, earth, day, night, tilt, solar system, forces, gravity, meteorite, relative, balanced, up-thrust, air resistance.

## Enrichment

Mobile Planetarium workshop- 18<sup>th</sup> January

Sublime Science workshop - 7<sup>th</sup> February

Bringing Books to Life workshop - 5<sup>th</sup> March

## Important Dates

PE is every **Tuesday** and **Wednesday**.

# Invaders and Settlers

Adults: Mrs Smithson, Mr Forsyth, Mrs Lindsay & Mrs Barratt.

## History

This term in History, pupils will investigate the Viking, Anglo- Saxon struggle for England. They will explore whether or not describing the Vikings as just ruthless raiders is a fair description. Pupils will learn why the Vikings chose to raid and eventually settle in England. They will also learn about historic battles and events and look at archaeological findings linked to that period.

### Key Vocabulary

invasion, settlement, monastery, raid, kingdom, society, Norse, trade, excavation,

## Physical Education

**Tag Rugby:** Children will explore different passing styles to outwit defenders to score a try and also develop an understanding of basic defending tactics to prevent the attackers from scoring.

**Health Related Exercise:** The unit of work will ensure that all pupils understand the meaning of strength, flexibility and the cardiovascular elements of fitness. Pupils will perform cardio, flexibility and strength focused circuits developing their own fitness.

### Key Vocabulary

position, attack, defend, opponent.

## Art & Design

Children will research the key artists, Teis Albers and Karen Rose and explore the purpose and effect of imagery. They will then apply this to developing drawn ideas through printmaking.

**Key Vocabulary:** Collagraphy, Propaganda, retrofuturism, stimulus, technique, composition, futuristic, imagery

## Design & Technology

This term the children will understand how motors are used in electrical products and investigate an existing product to determine how factors affect their form and function.

**Key Vocabulary:** circuit, component, motor, series circuit.

## Geography

In Geography, we will develop an understanding of the human and physical geography of North and South America and will continue to build upon our understanding that the size of a country impacts upon its physical and human geography. We will learn about time zones and will make comparison between different regions.

### Key Vocabulary

physical features, time zones, meridians, prime meridian, longitude, latitude, climate zone, biome, hemisphere

## Religious Education

In R.E, the children will consider Jesus' teachings on how his followers should live and explain the impact Jesus' example and teachings might have on Christians today. Children will express their own understanding of what Jesus would do in relation to a moral dilemma from the world today.

### Key Vocabulary

Exploration, Teachings, Community, Fulfilment, Commandments, Forgiveness, Justice, Reflection.

## Music

All the learning is focused around one song: Make You Feel My Love. Exploration through games, elements of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked. As well as learning to sing, play, improvise and compose with this song, children will listen and appraise other Pop Ballads.

## French

Children will re-enforce and extend their knowledge of greeting someone in French, learning the terms for family members and using the key verb avoir in the third person.

## How you can support at home

There are many ways you can support your child's education at home. Listen to your child read daily for 10 minutes and record in their reading record. Support your child to practise their weekly spellings and timetables/ number bonds. Your child has access to a number of online platforms to support their learning. Please encourage them to access regularly during the week. Log In details can be found inside your child's reading record.

