

Autumn Term - Year 5



English

Writing

- Writing to recount: a biography about the life of Katherine Johnson.
- Writing to describe: a character description of Boudicca.
- Writing to narrate and entertain: a narrative based on Clockwork.

SPaG

Spelling, punctuation and grammar skills, including:

- Identify four-word classes (adverbs, adjectives, nouns and verbs).
- Identify and sort word classes (conjunctions, determiners, prepositions).
- Match noun and adjectives to suffixes.
- Identify and define cohesive features.

Harry Potter and the Philosopher's Stone

By J.K.Rowling

Reading

In Reading, we will be focusing on **extracts** from short stories, interesting **feature articles** and the lives of **significant people**.

We will then be exploring our first novel study of '**Clockwork**' by Philip Pullman.

Throughout these lessons, we will be developing our skills in fluency, activating background knowledge, vocabulary, visualising and comprehension.

Mathematics

In Mathematics, we are learning about:

- Roman numerals to 1,000
- Read, write and partition numbers up to 1,000,000
- Finding more or less than a number
- Compare and order numbers
- Rounding numbers within 1,000,000
- Mental and written strategies for addition and subtraction
- Inverse operations (addition and subtraction)
- Multi-step addition and subtraction problems
- Find missing numbers
- Multiples, factors, prime numbers, square numbers and cube numbers
- Multiply and divide by 10, 100 and 1000
- Equivalent fractions, improper fractions, mixed number fractions
- Comparing and ordering fractions
- Add and subtract fractions

Geography

In Geography, we are learning about **rivers**:

- Describe what a river is and the process of the water cycle.
- Describe how rivers are used around the world.
- Identify the stages and features of a river.
- Recognise and explain how human activity affects rivers.
- Recognise and explain how flooding affects communities.
- Investigate the great Sheffield floods of 1864.
- Investigate why the Water Aid charity (Oxfam) exists.

Science

Earth and Space

- What is the Sun and what is Earth?
- What is the Solar System?
- Can we find patterns in the Solar System?
- Why do we have night and day?
- What are the phases of the moon?
- How have theories about Earth and space changed over time?

Forces

- What are forces?
- What is gravity?
- What is friction?
- What is air resistance?
- What is water resistance?
- What can simple machines do to forces?

History

In History, we are completing our topic on the **Romans**. We will:

- Understand why the Romans invaded Britain.
- Create a visual interpretation of Boudicca.
- Understand how Roman soldiers were equipped for war.
- Understand Roman army battle formations.
- Make inferences about life in Roman times.
- Identify the Roman legacy in Britain.

PSHE

In Autumn 1, we will be considering 'What makes a family?' exploring:

- Why do some people get married?
- Are families ever perfect?
- Is there such thing as a 'normal' family?

We will also be looking at control and consent and protecting our identity in **Online Safety**.

In Autumn 2, we will be looking at 'Our Communities' exploring prejudice and anti-racism.

We will also be exploring our physical wellbeing and considering 'staying healthy' by asking:

- Is there such a thing as the perfect body?
- How can I stay fit and healthy?
- Can I avoid getting ill?

Religious Education

This term in Religious Education, we will be exploring and reflecting on the following two enquiry questions:

1) What does it mean if Christians believe God is holy and loving?

2) What does it mean to be a Muslim in Britain today?

We will be developing our understanding of the Christian concept of **incarnation** and Islamic concepts of **Tawhid, Iman and Ibadah**.

Art & Design

In Art, we are focusing on **drawing skills**.

We will be learning to:

- Explore the purpose and effect of imagery.
- Understand and explore decision making in creative processes.
- Develop drawn ideas through printmaking.
- Test and develop ideas using sketchbooks.
- Apply an understanding of drawing processes to revisit and improve ideas.

Physical Education

Athletics

- To develop sprinting and jumping techniques.
- To develop long distance running and relay strategies.

Basketball

- To develop dribbling and passing skills.
- To develop passing on the move.
- To improve shooting skills.

Gymnastics

- To perform complex rolls.
- To use linking movements between rolls.

Football

- To identify the key points of a skill.
- To explain why skills are done that way.

Design & Technology

In DT, we will be making **pop-up books**:

We will be learning to:

- Design a pop-up book.
- Follow a design brief to make a pop-up book.
- Use layers and spacers to cover the working of mechanisms.
- Create a product suitable for target use.

Computing

In Computing, we will be looking at data handling and 3D design linked to the **Mars Rovers**.

We will be identifying some of the types of data that the Mars Rover collects and explaining how the Mars Rover transmits the data back to Earth.

We will then explore how bit patterns represent images as pixels, look at how data for digital images can be compressed and develop various techniques to improve the design of a 3D object.

Music

This term, we will be adapting and transposing motifs:

- Sing in tune and time.
- Understand what a musical motif is.
- Compose and notate a motif.
- Develop and transpose a motif.
- Combine and perform different versions of a musical motif.

Y5CS will also develop their skills in playing the clarinet this term.

- We will play and perform in solo and ensemble contexts playing the clarinet with increasing accuracy, fluency and control.
- We will listen with attention to detail and recall sounds with increasing aural memory.
- We will develop our use of and understanding of musical notations.

French

In French, we will ask and answer the question 'Do you have a pet?'

- Recognise the noun for 8 pets.
- Ask and answer the question 'Do you have a pet?'
- Say 'I have a pet that is called...'
- Say 'I do not have a pet'.
- Use 'and' and 'but' in a sentence.

We will also be learning about **the date**:

- Know all the days of the week.
- Know all of the months of the year.
- Know the numbers to 31.
- Ask and answer the question 'What is the date today?'
- Ask and answer the question 'When is your birthday?'