

Autumn Term - Year 5



Stocksbridge
Junior School

English

In English, we will begin the year focusing on developing our **transcription skills** to develop our writing confidence, accuracy and independence. We will focus on accurate handwriting, spelling common exception words and practising dictation.

Writing

- Writing to recount: a biography about the life of Katherine Johnson.
- Writing to narrate and entertain: a narrative linked to Viking sagas.

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



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

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.

Geography

In Geography, we are learning '**What is life like in the Alps?**' We will be:

- Locating the Alps on a world map, identifying and labelling the eight countries they spread through.
- Locating three physical and human characteristics in the Alps.
- Researching and describing the physical and human features of Innsbruck.
- Using a variety of data collection methods including questionnaires, mapping routes and recording their findings.
- Comparing human and physical geography of their local area and Innsbruck.
- Answering the enquiry question, 'What is life like in the Alps?'

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, our topic is '**Were the Vikings raiders, traders or something else?**'. We will explore the Viking age by learning about Vikings raids, trade, settlement and the struggle for control of Britain. We will find out:

- When and why did the Vikings come to Britain?
- Were the Vikings raiders, traders or something else?
- Where were the Viking trading routes and why was trade important?
- Why are there different Viking sagas explaining the same event?
- What were the impacts of Viking raids and settlements on local communities in Britain?
- What were the Vikings' achievements and how did they impact the world?

PSHE

In Autumn 1, we will be looking at '**My Healthy Self: How can I support my mind and body as I grow?**'

- What do food labels really tell us?
- How active am I? What are the different types of physical activity and how do they affect us?
- How can I recognise and respond to strong and complex feelings?
- How can we tell when someone might need support with their mental health?

In Autumn 2, we will be looking at '**Connecting with others: Why are healthy relationships important?**'

- What makes me who I am?
- How do families show commitment, support and protect each other?
- What helps us to make and maintain healthy friendships?
- How can we manage challenges in friendships?
- How can I be assertive and respectful?

Religious Education

In Autumn 1, our focus is: '**What does it mean if Christians believe God is holy and loving?**'

We will explore what Christians believe God is like by looking at stories and passages from the Bible. We will learn about qualities such as being holy, loving and forgiving and consider how these beliefs influence the way Christians live and understand their relationship with God.

In Autumn 2, we will be asking '**What does it mean to be a Muslim in Britain today?**'

We will explore Muslim beliefs about God, the Prophet and the Qur'an, and how these beliefs shape everyday life. We will explore Muslim worship, the Five Pillars, festivals and places of worship as well as learning about the experiences and lives of Muslims in Britain today.

Art & Design

In Art, we are focusing on **Drawing: Depth, emotion and movement**. We will be investigating how drawing can express emotion, movement and depth, inspired by the work of Charlie Machesy and Elizabeth Catlett.

We will be learning to:

- Apply an understanding of expressive and gestural lines to capture movement.
- Understand how lines and marks can communicate emotion.
- Use mark making and shading to create depth.
- Apply an understanding of composition for printing.
- Develop drawn ideas through printmaking.

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 investigating the history, mechanics and uses of **gears and pulleys**.

We will be learning to:

- Create a working gear system
- Improve a working gear system
- Create a working pulley system
- Research tasks an eco-gadget bike performs
- Design and evaluate an eco-gadget bike

We will also be investigating different types of **bridges** and how structural strength is affected by shape and design.

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 looking at **music in nature**:

- Exploring nature's dynamics
- Creating and performing short melodies
- Composing nature-inspired chord patterns
- Performing melodies representing the forest
- Create and perform music inspired by the Northern Lights

Year 5 will also develop their skills in playing the **clarinet** throughout the year:

- 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 answers the question 'When is your birthday?'