

YEAR GROUP OVERVIEW

Year 6 – Autumn 2

English - Reading

In reading lessons, pupils continue to develop their fluency knowledge and skills through a wide range of genres, including fiction, non-fiction and poetry.

Pupils also develop core reading skills through the range of texts they read:

- Vocabulary
- Retrieval
- Inference
- Prediction
- Summary
- Authorial intent

This half term's texts are *The Explorer* by Katherine Rundell and a media stimulus based on the Christmas Truce video.

English - Writing

Pupils write texts using this half term's texts as a stimulus through our NELT Key Stage 2 Teaching and Learning Cycle. They will learn key grammar and punctuation knowledge within writing lessons which they will use within their writing.

Diary: Write a diary entry from Fred after the plane crash in 'The Explorer' by Katherine Rundell.

Narrative: To write a narrative from the viewpoint of the Explorer based on the text 'The Explorer' by Katherine Rundell.

Explanation text: Write an explanation text about how to survive in the Amazon jungle.

Newspaper: Write a newspaper report based on the media stimulus based on 'The Christmas Truce' video.

Maths

The NELT chosen scheme of learning in Year 6 is White Rose Maths. This half term, pupils will deepen their understanding of fractions, beginning with simplifying and finding equivalent fractions and then progressing to comparing and ordering fractions. Building on this knowledge, pupils will then learn how to add and subtract simple fractions and mixed numbers, multiply fractions and divide fractions by integers and other fractions. Pupils will also solve a range of multi-step problems and apply their understanding in more complex contexts.

Pupils will then move onto the topic of measurement, where they will learn to convert between different units of measurement. They will develop their understanding of metric and imperial units and how to calculate and convert with them.

Science

Electricity: This unit builds on learning from previous years. It will begin by allowing the children to create their own electrical circuits and understand what the source of electricity is in these circuits. Children will then investigate how an increase in voltage impacts the brightness of a bulb or the volume of a buzzer and they will learn how to accurately record their findings. The unit then moves onto understanding that we can represent circuits by using symbols. The children will learn how to accurately draw circuits that show the components used and they will understand how electricity flows through the circuit

Geography

Location, Location, Location: This project allows children to build on their prior knowledge of locating countries using an atlas. From this, children will then look at and independently research the human and physical features, as well as the time zones, of Moscow, Russia; Rio de Janeiro, Brazil; and the Grand Canyon National Park, USA. Throughout the project, children will be able to compare the features of each of these locations to see the similarities and differences. Using their learning, the children will then plan a debate to determine the best holiday destination, focussing on the strengths and unique attractions of their chosen city.

Design & Technology

Steady Hands (Electrical Game): This project will allow children to design and create their own steady hand game. The learning journey begins with researching and analysing a variety of children's toys, which will inspire their design choices and enhance their understanding of toy functionality. The children will then design their game, focusing on the essential elements needed for a steady hand game. They will learn to construct a stable base to ensure durability and playability. Additionally, students will assemble electronic components, gaining practical experience in wiring and circuitry. Throughout the project, children will test and evaluate their games, allowing them to refine their designs based on feedback.

Computing

Coding: Children will recap, build upon and deepen their understanding of coding by following the program design process to create more complex programs. They will learn how to use flowcharts to develop algorithms and apply key concepts like abstraction and decomposition to identify the essential parts of a program. Through hands-on activities, children will practice coding, testing and debugging their designs to ensure their programs work efficiently. They will also learn how to enhance their coding projects by using functions and tabs within 2Code, which will improve both the structure and quality of their work.

Alongside our Teach Computing scheme of learning, through project Evolve, pupils learn about Online Bullying and Online Relationships.

Modern Foreign Language (MFL)

Homes and Houses: During this half term, pupils will learn vocabulary for rooms in the house and furniture nouns inspired by artist Piet Mondrian. They will also learn

new vocabulary, write descriptive sentences, explore French castles as well as having the opportunity to create their own castle stories.

PSHE

Celebrating Difference: In this unit, the children discuss differences and similarities and that, for some people, being different is difficult. The children learn about bullying and how people can have power over others in a group. They discover strategies for dealing with this as well as wider bullying issues. The children learn about people with disabilities and look at specific examples of disabled people who have amazing lives and achievements.

Religious Education (R.E.)

Islam: How is the Qur'an vital to Muslims today? This inquiry allows children to explore important events during the Night of Power and the revelation of the Qur'an. They will learn about the actions Muslims take to show respect for the Qur'an and the reasons behind these practices. Additionally, children will examine various sayings from the Qur'an and understand that there can be different interpretations of its teachings.

Physical Education (P.E.)

Swimming: Throughout their swimming lessons, children will continue to learn how to swim competently, confidently and proficiently over a distance. They will also learn to use a range of strokes effectively, for example, front crawl, back stroke and breaststroke.

Music

Classroom Jazz: This unit will allow children to immerse themselves in the world of jazz by focusing on two key tunes: 'Bacharach Anorak' and 'Meet the Blues'. Through active listening and appraisal, children will explore their origins, styles, and historical contexts as well as analysing the musical characteristics that define each song, including texture, dynamics, tempo, and structure.