YEAR GROUP OVERVIEW

North East Learning Trust

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 called Alma.

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.

Narrative: To write a narrative from the viewpoint of Alma. We will focus on using description to build suspense and mystery within our narrative.

Diary: Write a diary entry from Fred after the plane crash in 'The Explorer' by Katherine Rundell. We will focus on Fred's emotions throughout his experience and the use of descriptive vocabulary to create imagery.

Explanation text: Write an explanation text about how to look after a mythical creature. We will focus on the use of formal language and think out structural features.

Maths
This half term, pupils will learn:

Fractions, Decimals and Percentages (Fractions): This unit covers recapping prior learning about how to simplify fractions, comparing and ordering fractions by finding common denominators and using common factors. It then moves on to adding and subtracting fractions with different denominators and adding and subtractions mixed numbers. Using pictorial representations and concrete materials, the unit then covers how to multiply and divide fractions, as well as finding fractions of amounts.
Measurement: This unit begins by exploring metric measurements and how to convert between metric measurements before moving onto imperial measurements and conversions which including imperial and metric measurements.

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 investigates and compares three different locations: Moscow, Rio de Janeiro and Arizona (specifically The Grand Canyon National Park). Learning will focus on human and physical features, landmarks, population and time zones. Pupils will then look at these places as tourist destinations and take part in a debate where they use their learning to argue the case for people to visit their chosen location.

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 Purple Mash scheme of learning, through project Evolve, pupils will gain a greater understanding of online bullying and online relationships.

Modern Foreign Language (MFL)
Where I Live, Where You Live: This unit will continue to develop children's speaking, listening and language skills. They will explore language related to the home, focusing on key sounds found in nouns and adjectives. Through activities like describing rooms, children will practice using the verbs ‘to have’ and ‘to be,’ while also learning about adjectival agreement with nouns. They will engage in creative

activities like describing a ‘spooky house’ or a ‘space house.’ Children will also learn to ask questions using ‘Is there...?’ and respond with ‘Here is...,’ expanding their conversational skills. Additionally, they will participate in activities where they design and ask for sandwiches, inspired by Paddington’s Christmas adventures.

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
Singing and Glockenspiel: This unit will provide children with opportunities to develop their musical skills through singing and playing the glockenspiel. Through learning and performing a range of songs and instrumental pieces, children will explore key musical elements including pitch, rhythm, pulse, tempo, dynamics, and melody. They will develop their confidence in using their voices accurately, learn correct playing techniques for the glockenspiel, and build their ability to read and follow simple musical notation. Children will also listen to, appraise, and perform music, developing ensemble skills such as timing, coordination, concentration, and cooperation while gaining a deeper understanding of how musicians work together to create expressive performances.