



Emmanuel Primary School

Year 4 Topic Sheet

Autumn Term 2018

Topic: The Railways and Marvellous Mountains



LITERACY

On-going: Spelling, handwriting and guided reading.

In Literacy this half-term, we will read S. F. Said's, 'Varjak Paw', an exciting story of a Mesopotamian Blue kitten who has never left home before. When he is forced to leave home to save his family, he embarks upon a number of adventures, meeting a range of characters along the way. Inspired by the text, we will learn how to write a range of engaging text types including a newspaper report before writing our own adventure stories. When reading for pleasure, as a class we will read the classic text, 'The Railway Children' by Edith Nesbit.

After half-term, we will focus on the short film, 'Taking Flight' and use this to write a diary entry, a Kenning poem as well as character and setting descriptions.

MATHS

The focus of teaching in Year 4 is to ensure that pupils become increasingly fluent with whole numbers and the four operations. During the year, children will develop efficient written and mental methods and will calculate with increasingly large numbers. Pupils will develop their ability to solve a range of problems and use their reasoning skills to explain their mathematical thinking. Each term, children will study aspects of place value; addition and subtraction; multiplication and division; fractions (including decimals); measurement; geometry (properties of shapes and position and direction) and statistics. **By the end of Year 4, pupils must know the multiplication tables and division facts up to and including 12 x 12.**

P.E

Children will have a PE lesson every **Monday** taught by Mr Spadaccini. This half-term, children will play the competitive games of netball and basketball, applying the basic principles suitable for attacking and defending. Each Tuesday, pupils will have a session with 'Kick London', who will teach the children dance.

SPANISH

This term children will focus on conversational skills, such as greetings and asking and responding to questions about themselves. Pupils will also learn about some traditions in Spain.

SCIENCE

Sound - Autumn 1: In Science lessons, pupils will be learning about Sound. Through investigative activities, pupils will learn that sounds are made when something vibrates and that these vibrations travel through a medium to the ear so that we hear them. Children will explore ways to change the pitch and volume of sounds as well as use fair tests to find out more about how sounds can be effectively muffled.

States of Matter - Autumn 2: In this unit, pupils will learn the characteristic properties of solids, liquids and gases, first through physically exploring typical materials and by classifying examples. Children will learn about changes of state and begin to understand freezing and boiling points as identifying characteristics of a material. They will learn the names of some common gases and link this learning to understand the water cycle.

HISTORY - The Railways- Autumn 1

Our topic for the first half of autumn term is 'The Railways'. Pupils will learn about the development of the Railways in Great Britain; giving them the opportunity to find out about the history of the railways and significant early locomotives. Children will investigate some important historical events, such as the opening of the first passenger carrying railway lines and the Rainhill Trials, as well as finding out about the key people who were influential in the development of the railways. In addition, pupils will learn about the development of locomotive technology and examine the differences between steam, diesel and electric locomotives. There will also be a class trip to the Postal Museum; more details to follow.

PSHE - Children will develop their personal and social skills by agreeing a class charter and they will also find out what makes a healthy lifestyle. They will learn about the importance of nutrients as well as about different drugs, including alcohol. After half-term, children will develop an awareness of the role of victims, bullies and bystanders during Anti-Bullying Week, as well as make decisions on what they trust online using agreed criteria.

RE

People from the Old Testament - Autumn 1: During RE lessons in the first half of the Autumn term, children will develop their knowledge about many people in the Old Testament, including Abraham, Ruth and Daniel and suggest some answers to 'why' questions about the motives and reactions to situations faced by some people of the Old Testament.

Is Peace the most important message at Christmas - Autumn 2: Pupils will consider what peace is and through reading stories in the New Testament, think about what the Bible tell us about Jesus' message of peace.

GEOGRAPHY - Marvellous Mountains - Autumn 2

In this topic, children will learn about the major mountains of the world and the UK. They will find out about the different ways in which mountains have been formed, and how different features of mountain ranges have been shaped over time. Children will have the opportunity to consider what the weather is like in a mountainous environment and evaluate the impact that tourism has on a mountainous region.

COMPUTING

Pupils will be introduced to the key features of Microsoft Excel and PowerPoint.

ART and DESIGN TECHNOLOGY

In the topic 'The Railway in Art' pupils will compare artists impressions of the railways before creating their own pieces of art using water colour and photography.

CORRECT WINTER UNIFORM

- White shirt with Emmanuel yellow and navy tie or white polo shirt with Emmanuel crest.
- Navy cardigan or jumper. Emmanuel cardigan is available!
- Grey Trousers / Navy skirt or dress.
- Black shoes and white socks
- No jewellery
- No nail varnish
- Yellow, white or navy hair bands

PE UNIFORM

- Yellow Emmanuel T-shirt
- Navy shorts/ tracksuit bottoms
- Plimsolls
- No tights for PE!
- Please label your child's PE kit with their name
- See the office to order any uniform.

SNACKS & LUNCHTIME

Healthy snacks for play time; no crisps, chocolate or nuts. Children can access water from the fountains. It is recommended children bring a water bottle to have in class. Please see the Packed Lunch Policy for more information on the school website.

HOMEWORK

Homework is handed out on a Friday and is due in on Tuesday. However, if pupils hand it in on Monday, they will get 5 house points!

Reading for pleasure - Children should read for at least 20 minutes every day at home. To encourage children to read for pleasure, they will be given a bookmark with a different character.

Spellings - Each half term, a list of all the spellings for the half term will be sent home, ready for a test each Wednesday.

Times Tables - Children should practise their times tables throughout Key Stage 2, ready for a test each Wednesday.

Maths Homework - Children will either be given a maths activity online to consolidate learning in class or a problem solving activity.

Literacy Homework - Children will either be given a Spelling, Punctuation and Grammar activity or a creative writing activity.

If homework is not handed in or incomplete, children will be expected to stay in at lunchtime for 20 minutes for 'Homework Club', unless there has been communication from a parent.

If there is a concern...Children can use the worry box in each classroom, circle time during PSHE or arrange to see Mrs Watkins for 'Let's Talk'. Parents/Carers please arrange an appointment to see the class teacher at pick-up or drop-off or contact the school office.

GENERAL INFORMATION

- Illness - please ring the office first thing in the morning.
- Be at school on time! School officially starts at 8:50am and this is when the register is taken.
- Check the weekly newsletter that is uploaded onto the school's website and check your child's bag each day for any other correspondence.
- Medical needs - Please keep the school updated through the year, especially if there have been any changes over the summer.

Adults working in Year 4

Class teachers:

Miss Burns and Miss Bond,

TLAs:

Ms Amanuel

Mrs Goldberg

Mrs Pearce