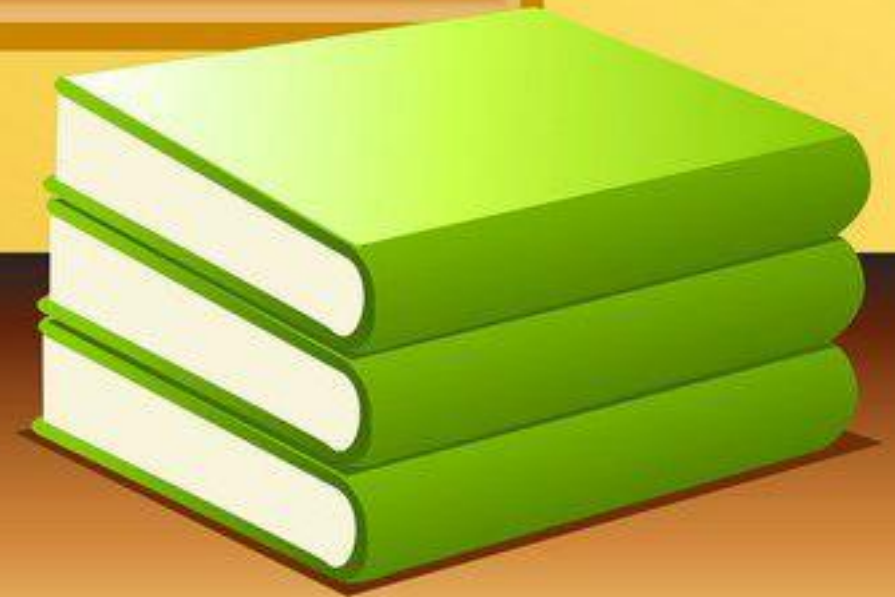
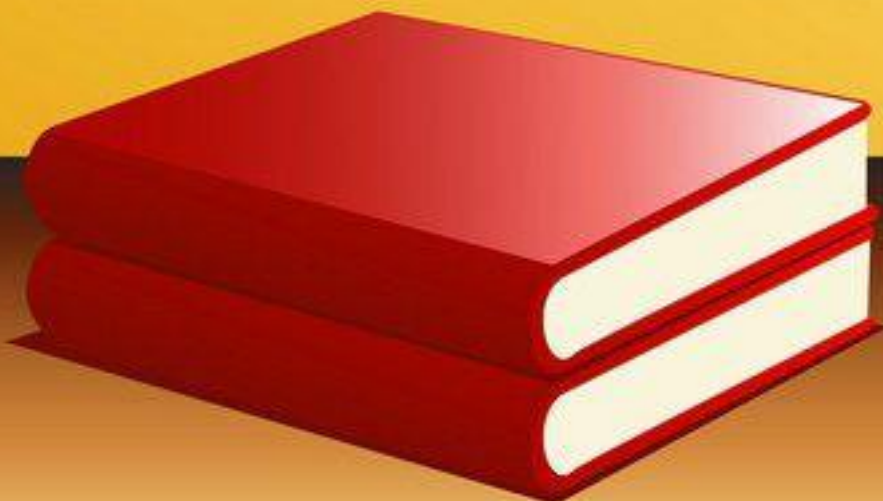


Mr Northcott's Class

Year 5/6



MATHEMATICS

ORDER AND COMPARE NUMBERS UP TO 1,000,000, ROUND NUMBERS TO THE NEAREST 10, 100 AND 1000, SOLVE NEGATIVE NUMBER PROBLEMS AND USE ORDERS OF OPERATIONS TO CARRY OUT CALCULATIONS INVOLVING FOUR OPERATIONS.

USE SIMPLE FORMULAE, GENERATE AND DESCRIBE LINEAR NUMBER SEQUENCES, EXPRESS MISSING NUMBER PROBLEMS ALGEBRAICALLY AND FIND PAIRS OF NUMBERS THAT SATISFY AN EQUATION WITH TWO UNKNOWN.

NAME, DRAW AND MEASURE ANGLES, IDENTIFY ANGLES AT A POINT, VERTICALLY OPPOSITE AND ON A STRAIGHT LINE, AND FIND MISSING ANGLES IN 2D SHAPES.

USE THE FORMAL WRITTEN METHOD FOR SHORT DIVISION WITH FRACTION OR DECIMAL REMAINDERS, SOLVE DIVISION PROBLEMS THAT INVOLVE ROUNDING UP OR DOWN AND USE PARTITIONING, GRID METHOD AND FORMAL WRITTEN METHOD TO SOLVE HTO X TO.

COMPARE AND ORDER FRACTIONS, ADD AND SUBTRACT FRACTIONS WITH DIFFERENT DENOMINATORS AND MIXED NUMBERS USING THE CONCEPT OF EQUIVALENT FRACTIONS, DIVIDE PROPER FRACTIONS BY WHOLE NUMBERS AND MULTIPLY SIMPLE PAIRS OF PROPER FRACTIONS.

CONVERT BETWEEN KILOMETRES, METRES, CENTIMETRES AND MILLIMETRES, CONVERT BETWEEN METRIC AND IMPERIAL UNITS AND CONVERT BETWEEN TONNES, KILOGRAMS AND GRAMS.

English

Stories with flashbacks

We will revise work on adverbials and dialogue and investigate relative clauses. Using the Harry Potter books, children will explore different forms of flashback and identify its various functions.

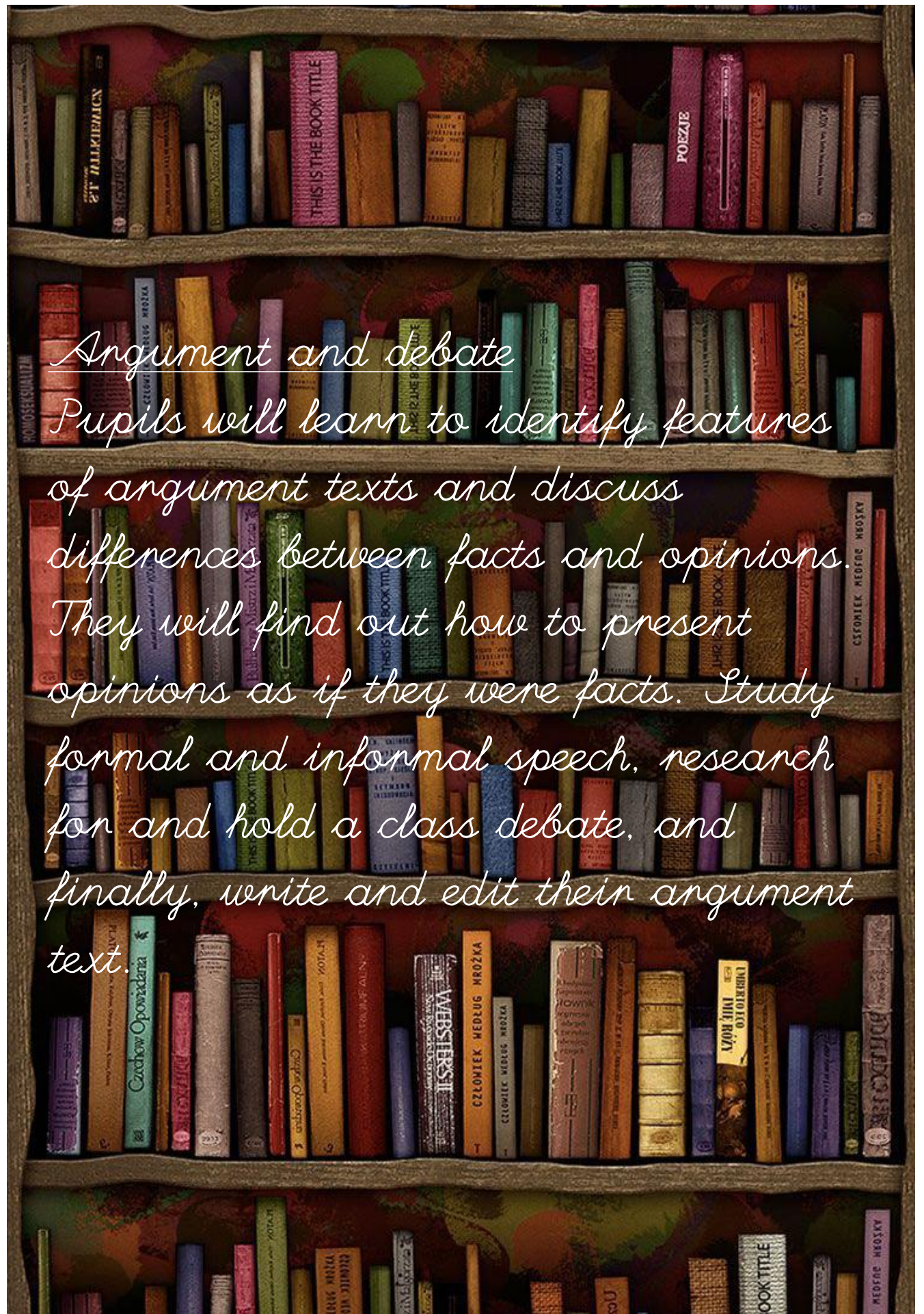
They will then create a flashback in the form of a Pensieve memory.

Poetic style

Children will explore the use of language and how the writers imply deeper meanings and research the poets on the internet. Finally, children will write their own free-verse poems inspired by those they have read.

Argument and debate

Pupils will learn to identify features of argument texts and discuss differences between facts and opinions. They will find out how to present opinions as if they were facts. Study formal and informal speech, research for and hold a class debate, and finally, write and edit their argument text.





Science - Scientists and Inventors

In this unit we will learn about famous scientists and inventors linked to the Upper Key Stage 2 science curriculum. Pupils will learn about the life and work of Stephen Hawking, and carry out an investigation into Hawking's theories on black holes. The children will learn about Libbie Hyman, a zoologist whose work on invertebrates informs much of what we know about the characteristics and classification of these creatures. Children will look at the effects of cholesterol on the heart and blood vessels in the footsteps of Marie Maynard Daly. Your children will find out about Alexander Fleming and his discovery of penicillin, and will interpret data in a scatter graph to come to a conclusion about the effects of penicillin. They will look at the evidence for human evolution, and will learn about Mary Leakey and her role in finding significant fossil evidence, and what her fossils prove about evolution. Children will explore the circulatory system and find out about the medical, and social, advancements made by Dr Daniel Hale Williams. Finally, students will find out about the life and work of Steve Jobs, and his development of new electronics and technologies.



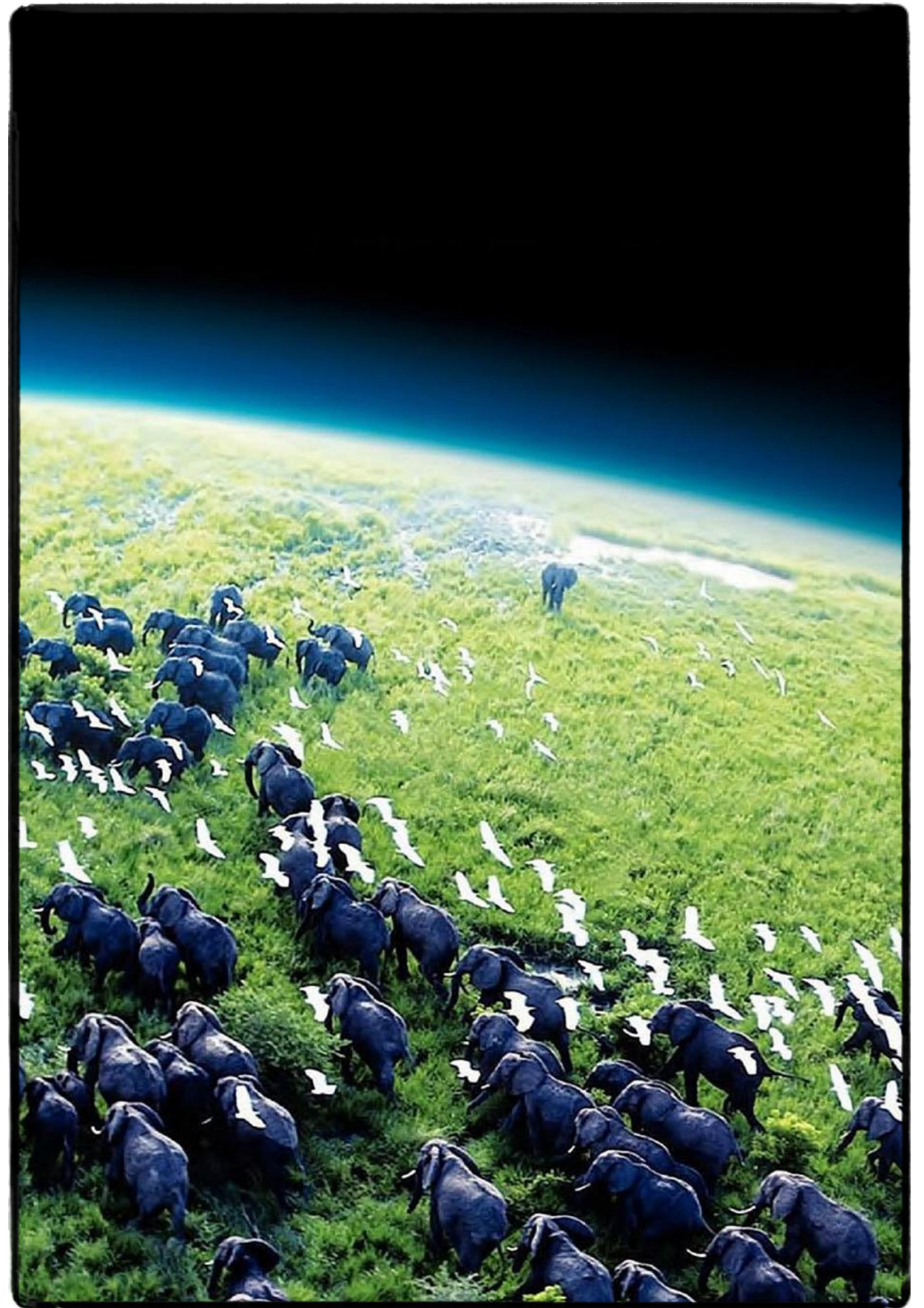
ART - PLANTS AND FLOWERS

This term Year 5/6 will learn about how to use pencil, colour, Hapa Zome printing, sculpture and paper modelling to create quality art work that shows progression in their skills. The children will also have the opportunity to explore the work of India Flint, Alexander Calder, David Oliveira and Henri Rousseau.



GEOGRAPHY - OUR CHANGING WORLD

In this unit, children will discover some of the many ways in which the world around them is changing. From coastal erosion to political changes, there are many factors at work. Students will learn about the structure of the United Kingdom and how its shape and geography have changed over thousands of years. Using an online database of photographs, children can explore how landscapes change. In the final lesson of this unit, children have the chance to predict the future and look at which might change again in their lifetimes.



Computing - Film Making

This aim in computing this term is to allow children to explore various aspects of film-making. In doing so, they must choose and use appropriate software in order to complete tasks such as writing a script, researching information, filming and editing. As well as using digital devices for recording (video camera or tablet), children work through pre- and post-production stages, planning good-quality interviews for a documentary and completing the process with use of video editing software such as Windows Movie Maker. The unit will finish with a special screening for our budding young film-makers!



P.E. - Circuit Training

Circuit training will allow pupils to focus on a range of different types of exercise and sporting values. Students will learn about the effects of different types of exercise and they will take part in upper body, lower body and core muscle exercises. They will focus on sporting abilities such as being a good sportsperson, taking part in respectful competition, working as a team and playing to each other's strengths. Children will have a chance to plan their own circuit of exercises to develop someone's all round fitness and will evaluate their own progress each lesson and throughout the unit.



SPANISH ~ EATING OUT

In this 'Eating Out' unit, students will learn key vocabulary about food and drinks. Children will learn specific vocabulary and key phrases of how to say what drinks they like, what they would like to eat for breakfast, fillings for sandwiches, toppings for pizzas and also the opening and closing times for shops and restaurants.



R.E. - Peace

This unit will look at each religion's view of peace and take children on a journey through different acts of achieving and creating peace. The children will compare and contrast the concept of peace across religions and look at symbolic people of peace and well known symbols of peace before creating their own.

P.S.H.E. - One World

This unit aims to enable children to explore the ideas of sustainability, the use of the earth's natural resources and the harmful effects of global warming. In this unit, pupils also learn about the steps they can take to reduce these harmful effects. They will also learn about biodiversity and its importance and explore what they would like to do to make the world a better place.



General Information

Year 5/6

Early morning work begins at 08:30 each day and will be spent on tasks that the children have needed further support with. This could be arithmetic or grammar related. Therefore, I would encourage the children getting in to school on time, to ensure they do not miss any learning.

If you have any questions, please feel free to see me at 8:30 or at home time. Alternatively, you can contact me via an email to school or on Class Dojo.

Homework

Homework will be set daily and is to be completed for the following day (unless specified otherwise). The work set will vary from maths, English, verbal reasoning and even afternoon topic work. Occasionally there will be longer projects or presentation pieces which will require more time and therefore longer deadlines.



Reading

It is recommended that children read for a minimum of 15 minutes daily, which can be written in to your child's reading record.

Reading regularly can not only improve word recognition and fluency, but can also assist children in their writing during class.

If your child is going to spend anytime watching videos it would be beneficial to turn on the subtitles as it has been shown to have positive effects on their reading ability. It increases the time they spend reading dramatically given the amount of screen time children have access to now.

P.E.

P.E. will be on Friday this year so please ensure children attend school wearing their P.E. kits. Can I please also ask that children bring suitable footwear in for sports.