

### Maths No Problem

We begin this half term with graphs. Children will learn how to interpret picture graphs and bar graphs. They will be introduced to line graphs and how they are used to measure change over time. They will learn how to interpret line graphs and use information collated in a table to draw a line graph, as well as make predictions based on trends identified in data. In addition to graphs, children will learn more about fractions, in particular they will be introduced to hundredths. They will learn about mixed number fractions and improper fractions and learn how to convert between mixed numbers and improper fractions. Our final topic of the term will be about time, Children will learn how to use both the 12-hour clock and the 24-hour clock; how to convert between units of time, such as minutes and seconds, and hours and minutes and they will learn how to solve time problems involving conversions and will calculate durations of time in relation to word problems.



### Maths - Times tables

Regular times tables sessions will take place, By the end of Y4, children are expected to have mastered their times tables to **12x12**. In order to test this, all Y4 pupils are required to sit a national multiplication check in June 2022. **Times tables will feature weekly as part of homework. Please continue practising tables at every opportunity. There will be an information evening in March about the Multiplication Check. More details to follow.**



### Reading



This term we will be reading and studying King of the Cloud Forests by Michael Morpurgo. Children will participate in a daily whole class reading session focused on shared reading of quality fiction, non-fiction and poetry whilst using VIPERS skills to answer questions (V- Vocabulary, I- Inference, P- Prediction, E- Explain, R- Retrieval, S- Summarising). Home reading is an important part of your child's learning and will greatly assist their progress. Please aim to listen to your child read four times a week for 10 minutes or more whenever possible and sign the reading diary for child to be awarded for their reading efforts.

### Writing

Our novel will inspire much of our writing this half term and the children will plan and write a longer story including details of setting using figurative language to evoke mood and atmosphere. In addition to this, in our non-fiction work, children will study no chronological reports, with a focus on webpages.



### Science

For the first few weeks of the spring term, we will complete our 'States of Matter' topic by investigating 'How would we survive without water?' The children will explore solids, liquids and gases and study evaporation, placing this into the context of the water cycle. We will also be studying 'Electricity'. In this unit, children will identify common appliances, construct simple circuits including switches. They will investigate common conductors and insulators and learn about alternative sources of energy



### Geography - Misty Mountain, Winding River

In the Misty Mountain, Winding River project, your child will learn about the characteristics and physical processes of rivers, including how they shape the landscape over time, their significance around the world and the impact of flooding. They will learn how to use the eight points of a compass, four and six-figure grid references, symbols and a key to locate and plot geographical places and features on a map, as well as how contour lines are used to show the topography of an area. They will have the opportunity to learn about the stages of the water cycle and about mountains and their different formations, studying mountain ranges in the United Kingdom and around the world. They will also learn about habitats and how human and natural influences can have an impact on the environment



### Art - Animal

This project teaches children about the historical and cultural portrayal of animals in art. They study the visual qualities of animals through sketching, printmaking and clay modelling.



### DT - Functional and Fancy Fabrics



This project teaches children about home furnishings and the significant designer William Morris. They learn techniques for decorating fabric, including block printing, hemming and embroidery and use them to design and make a fabric sample.

### PE

Our PE days will be Tuesdays and Thursdays. PE kits should be worn on these days. Please ensure that children wear their full kits and **no jewellery is permitted.**



### RE

In RE, our focus will be Christianity. Children will learn about Holy Week and Easter. There will learn about Palm Sunday, The Last Supper, The Crucifixion and Christian beliefs and traditions.



### **Homework and Spellings**

- Children will receive weekly homework each Friday to be returned by the following Wednesday.
- Online learning programs are available as always to access e.g Readiwriter, Mathletics, and TTRS
- Spellings will also be given each week and children will be tested on these in class the following Friday.
- Children should be reading at least four times a week at home and about 10-15 minutes a day.
- Children are expected to practise their times tables at home using Times Tables Rock Stars, SuperMovers, chanting and reciting etc.

### **A note from Mrs Willington**

Can you believe we are halfway through the academic year? The children have been working so hard and they say time flies when you're having fun!

We are well into our geography topic of Misty Mountain, Winding River now and I am very much looking forward to continuing this after the half term break. I will be sending some home learning ideas for this topic, and it would be amazing if you choose and complete a task from the list and return it to school to share with your classmates

I would like to thank you for your continued support throughout this academic year. Remember, I am always here to help so please get in touch via email or telephone call and I will get back to you.

Have a lovely week.



Year 4  
Curriculum  
Information  
Spring 2022