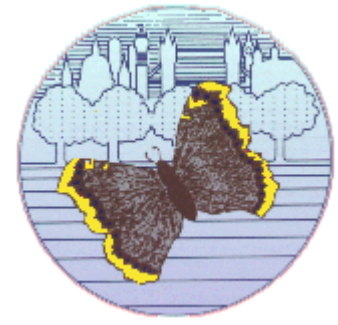


# TERMtalk

CURRICULUM NEWS  
FOR THE SCHOOL COMMUNITY

Issued termly Year 5 Spring 2022

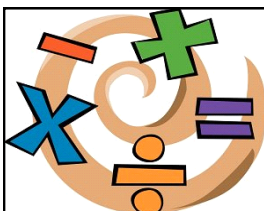


## Maths

The new term gets into swing with a revision of **place value**, that is, knowing about the value of numbers and their digits up to 500,000. This will help the children as we begin to understand and use numbers up to 1 million.

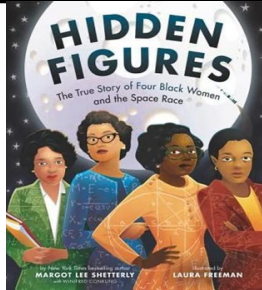
Pupils will also be revising the **four rules** of number - **addition, subtraction, multiplication** and **division** and solving increasingly challenging maths problems. The children will then be furthering their knowledge of fractions and **percentages** and learning how the two concepts are linked. They will continue to broaden their understanding of **Perimeter and Area**, as well as learning about **Volume**. Towards the end of term, the children will be exploring **2D shapes** with a focus on exploring their **angles** and **diagonals** as well as improving their accuracy when using a **protractor to measure angles to the nearest 1 degree**. We will then move onto data handling, collecting and recording data using tables and graphs and interpreting data presented in different forms in **Statistics**.

*We cannot emphasise strongly enough the need for your child to have excellent mental arithmetic skills, including rapid recall of all multiplication tables, and their related division facts. Please practise the multiplication tables at home!*



## English

In the first half of this term, Year 5's work will be based on the book



Hidden Figures, the true story of 4 amazingly talented black women and the space race. The children will be writing a variety of genres including character descriptions, chronological reports, formal persuasive and informal letters and diaries. As they write, the children will be selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning and using a wide range of devices to build cohesion within and across paragraphs.

In the second half of term we will be exploring the sinking of the **Titanic** in 1912. They will learn facts leading up to the disaster and will write reports using sub headings and bullet points. They will become reporters and create a newspaper report on the events. Next they will investigate the luxurious lives of first class passengers, writing diary entries in role. They will discuss whose fault the tragedy was, and why the ship sank so quickly. Finally, they will be finding out who survived and why. In all writing activities, the children will focus on having an understanding of an audience and the importance of using descriptive and varied vocabulary.



## Science

At the beginning of term we will be completing work on the Forces topic. The children will plan an investigation about up-thrust. They will have to design a boat, make predictions, investigate the best design for floating and measure how much "cargo" the boat is able to carry. From their investigation they will observe results and use them to formulate conclusions about what they have discovered.



Then the children will start the new topic, Properties and Changes of Materials. The children will first compare and group together everyday materials on the basis of their properties, including their hardness, solubility, conductivity (both electrical and thermal), transparency and each material's response to magnets.

They will then investigate factors which contribute to dissolving, before using their knowledge of solids, liquids and gases to decide how mixtures might be separated. Throughout the topic, the children will be honing their investigation skills. They will be planning fair tests, exploring different variables, making and recording a variety of measurements, making comparisons, observing and recording results, then finally drawing conclusions. In the final part of the topic we will be exploring how changes can result in different materials being made.

# Foundation Subjects

## Geography

In Geography, the children will be learning about the continent of North America.

The main focus would be on the exploring the 3 main countries of the continent: the United States of America, Canada, and Mexico. Children will also find out about Central America.

They will learn about the history, geography and the cultural diversity of the continent. Using a range of information sources, they will be asked to identify the flora and fauna of each country, major landmarks and key physical features including rivers, mountains and cities. Children will also be expected to use their map skills to retrieve information from an Atlas. They will also be attempting to use map scales to calculate the distance between key locations.



## Music

Our lessons this term, will be taught by Miss Anna, a music specialist. The children will continue to develop both their theoretical and practical knowledge of music, through their exploration of classical and modern arrangements.

The children will also be learning songs, written in different languages, from around the world. They will also be taking part in Hymn Practice sessions every second week, as part of our liturgical focus.

## Art and Design

This term the children will be studying the work of Monet and creating a range of pictures using watercolour paints.



In the second half of term the children will be learning about upcycling. First they will be improving their sewing skills before so they can join fabric together in order to create a durable new structure. Then they will be given the task of designing a new bag, using an old t-shirt. They will also explore how to decorate their up-cycled bag. Finally they will evaluate the practicality and durability of their finished creation and make suggestions about how to improve it.

## Physical Education

For 'games' lessons this half term we will be concentrating on invasion games including volley ball and basketball. This will give us the opportunity to work on 'serving and passing' skills in combination with key hand eye coordination. The children will be working on developing a range of skills to be applied in competitive situations. There will also be a great deal of emphasis on working as a team and enhancing cooperative skills. For Indoor P.E. we will be taking part in dance lessons. The children will enhance their balance, rhythm and control of movement techniques which will lead to them choreographing a group dance routine.

## Computing

This term in computing children will further develop their skills of searching the internet with the intention of designing and building their own web page. They will explore the issue of bias and learn the importance of information being factually correct. First they will choose a theme for their page, linked to an interest or topic they have learned in school. They will create a webpage template and develop it by creating a background and then including images, text and videos.

Throughout this unit, the children will be encouraged to consider e-safety issues such as use of logins and images of their own, as well as those belonging to others. Finally they will manipulate the layouts of their web pages before publishing.



## Homework

Children are set weekly homework which includes Maths, Spellings and Reading. This homework consolidates what they have been learning in class. Maths homework is set on **My Maths** or **Times Tables Rockstars** websites. The **weekly spellings** have been uploaded onto the **VLE** and children must practise them regularly, so they are confident when using them in their written work.

**All children are expected to read with an adult every night.**

It would be great if you could write a short comment in their reading diaries; they need to read for at least 20 minutes per night.

*Many thanks for your support and co-operation.*