



Topic Map: Year 5

Term: Autumn 1



Computing - DL and Coding

In this topic we will learn to:

Read and comprehend given code. Identify a bug and the problems it causes in a program. Describe and implement a plan to debug a program.

Create an animated, interactive game using sequence and events.

Music –

The Origins of Hip Hop

Children will explore the history of rap and hip hop, listen to a variety of tunes, culminating in children composing their own “hip hop story”.

Children will learn about the four pillars of hip hop, including break dance, DeeJay, rap and graffiti. We will be studying several songs including the theme song from The Fresh Prince of Bel Air.

History

Battling Britain

In this topic, children will be creating their own personal timeline and mapping out key events in wider history.

They will learn the causes and consequences of the wars that Britain has been part of. Children will gain an understanding of the roles women played in the Battle of Britain and to learn about some of the key figures in WW2.

R.E – Ourselves/Life Choices

In these topics we will learn about the unique qualities that each of us possess and how best we can use those in the future to help ourselves and others.

We will recognise the importance of welcome, of feeling comfortable with new situations and belonging to new groups.

WOW Experiences

We will meet our new therapy dog-woof!

PE – Fitness and Dodgeball

We will learn different components of fitness including speed, stamina, strength, coordination, balance and agility. Pupils will be given opportunities to work at their maximum and improve their fitness levels. Pupils will improve on key skills used in dodgeball such as throwing, dodging and catching.

French

Children will be learning about further body parts, creating sentences to say where pain is.

They will also be learning more about their family members. We will also be reading and performing the story of The Giant Turnip.



PSHCE – New Beginnings

In this topic we will learn; some strategies to cope with uncomfortable feelings and to calm ourselves when necessary. Know how others may be feeling when they are in an unfamiliar situation and can help them to feel valued and welcomed.

Class Novel/Book

The Boy in the Striped Pyjamas by John Boyne

English

SPAG

We will be consolidating Year 4 SPAG objectives such as; inverted commas, possessive apostrophes and fronted adverbials and introducing some of the Year 5 objectives like; hyphens, colons and semi colons.

Legends

Children will study stories about Robin Hood and how tension is built into stories. We will be using Talk 4 Write strategies to adapt and write our own legends.

Instructions

During this topic we will build up to writing instructions for our own board games. We will consider what makes a good board game by studying some of the classics such as Monopoly and Cluedo, before designing and making our own.

Poetic style

We will focus on slam poetry during this topic. Children will look at the works of some famous slam poets and how they perform before writing their own poems and considering how to effectively perform them.

Mathematics

Number and Place Value

In this topic, pupils will be looking at numbers and their place value to 1 000 000. The chapter begins reviewing how to read and write numbers to 100 000, quickly moving onto numbers to 1 000 000. Time is spent using concrete materials to represent numbers to 1 000 000, including number discs and place-value charts. Pupils then compare numbers to 1 000 000 using their knowledge of place value in addition to bar model supports to assist them.

Addition and Subtraction

In this unit, pupils will be exploring addition and subtraction of numbers to 1 000 000. They will begin the unit by using simple strategies to add and subtract, such as counting on and counting back. They will then focus on adding within 1 000 000 and subtracting within 1 000 000. Pupils will use multiple key methods, such as the column method and number bonds to add and subtract numbers.

Multiplication and Division

In this unit, pupils are multiplying and dividing 3- and 4-digit numbers by single- and double-digit numbers. The unit begins by finding and defining multiples and factors and common factors. Pupils begin to work with prime numbers and determine what makes a number prime or composite.

Science

Space

In this topic we will learn;

Describe the movement of the Earth, and other planets, relative to the Sun in the solar system

Describe the Sun, Earth and Moon as approximately spherical bodies

Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky

Describe the movement of the Moon relative to the Earth

Forces

In this unit we will learn about balanced and unbalanced forces, gravity, friction and the use of mechanisms such as levers, gears and pulleys. The children will identify forces and complete force diagrams.

They will find out about Isaac Newton and his discoveries about gravity, completing a comprehension about his life and his work. The children will look for patterns and links between the mass and weight of objects, using newton metres to measure the force of gravity.