



Topic Map: Year 5

Term: Autumn 1



Create / Search Database

In this unit the children will use Excel to create and search a database. Over the term, children will select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

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.

Geography

What do Wales and Argentina have in common?

In this topic we will learn what Wales and Argentina are famous for.

Children will learn to locate places on a globe and a world map.

They will be able to give examples of sustainable development and conservation in Patagonia.

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.

PE – Fitness and Basketball

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.

Spanish

Children will be learning about animals and their habitats and will recall colours and other adjectives used to describe animals.

They will also be extending their knowledge of numbers up to 70.



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.

WOW Experiences

Gardening with Mr Keegan.

Class Novel/Book

The Boy in the Striped Pyjamas by John Boyne

English

Fiction – Narrative writing

Text: Greta and the Giants

We will be learning to:

Improve our sentence accuracy for writing.

Make predictions about a story.

Write in narratives using descriptive settings, characters and atmosphere.

Write using precise longer passages

Evaluate and edit their writing by assessing its effectiveness

Evaluate and edit by ensuring consistent and correct use of tense throughout writing

Proof read for punctuation and spelling errors

Perform own compositions using appropriate intonation, volume and movement.

Use the correct verb form when using singular and plural and to be able to distinguish between the two.

Develop positive attitudes towards reading and understanding of what we have read.

Listen to and discuss a wide range of fiction, poetry, plays, non-fiction and reference books or textbooks.

Use dictionaries to check the meaning of words that they have read.

Increase our familiarity with a wide range of books and retelling some of these orally.

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. We will also be focusing on relative clauses.

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.