



Year 6 Summer 1

Knowledge Organiser



Science This half term, we will continue to learn about biology, building on our prior learning and linking to our work in PSHE about staying healthy.

Key Knowledge

Diet, exercise, drugs and lifestyle have an impact on the way our bodies function.

They can affect how well our heart and lungs work, how likely we are to suffer from conditions such as diabetes, how clearly we think, and generally how fit and well we feel.

Some conditions are caused by deficiencies in our diet e.g. lack of vitamins.

Key Vocabulary

Diet
Exercise
Drugs
Lifestyle
Heart
Lungs

Computing We will be exploring binary this half term in our computer science unit.

Key Knowledge

Whole numbers are used as the basis for representing all types of data in digital systems.

Digital systems represent all types of data using number codes that ultimately are patterns of 1s and 0s (called binary digits, which is why they are called digital systems).

Binary represents numbers using 1s and 0s and these represent the on and off electrical states respectively in hardware and robotics.

Key Vocabulary

Transistor
Binary
Bit
Digit
Integer
Base 2
Base 10
Switch
Megabyte
Terabyte
Nibble

History We will learn about the Viking invasion of Britain this half term as we seek to form our own opinions on the enquiry question 'Does describing the Vikings as vicious raiders portray them accurately?'

Key Knowledge

The Vikings came from the modern Scandinavian countries of Denmark, Norway and Sweden.

They travelled in boats called longships and first arrived in Britain around AD 787.

The Vikings raided places such as monasteries and pillaged expensive items to trade. They invaded Lindisfarne.

The Vikings wanted to claim land and tried to take over much of Britain.

The kings of Anglo-Saxon Britain each ruled their own kingdom and the people in it. They fought to defend their kingdom or take control of other kingdoms.

Edward the Confessor was the last Anglo-Saxon king.

Key Vocabulary

Vikings
Scandinavia
Longboat
Lindisfarne
Warrior
Battle of Hastings
Danelaw
Kingdom

PSHE Our focus will be on health and wellbeing this half term.

Key knowledge

Personal hygiene is keeping your own body clean, such as washing daily, washing hands, brushing teeth, trimming fingernails and more.

Personal hygiene helps you to keep yourself clean by preventing viruses from lingering on our body.

Our bodies can fight off bacteria with our immune system, but in the process, we can get sick.

Key Vocabulary

Personal hygiene

Body odour

Immune system

Bacteria

Music — We are looking forward to developing our singing technique with Viking chants.

Key Knowledge

The group of pitches in a song is called its 'key' and that a key decides whether a song sounds happy or sad.

Different notes have different durations, and that crotchets are worth one whole beat.

To understand that 'reading' music means using how the written note symbols look and their position to know what notes to play.

Key Vocabulary

Composition

Melody

Notation

Tempo

Minim

Crotchet

Quaver

Disciplined

RE —Our enquiry question this half term is 'Why do people make pilgrimages?' as we explore this unit about marking life's journey.

Key Knowledge

Pilgrimage is a sacred journey undertaken for spiritual purposes.

Key Vocabulary

Pilgrimage

Other relevant information for this half term

English—This half term, we will read 'Viking Boy' and emulate the style of the author, Tony Bradman in our own character and setting descriptions. We will also explore ways that the author successfully uses dialogue to move the plot forward and we will write our own conversations to tell part of a story.

Spelling— It is vital that children learn the year 5/6 statutory spellings and know the spelling rules associated with these words to apply to new and unfamiliar spellings. We will study these spellings and those with similar spelling rules and letter patterns in both spelling and handwriting lessons.

Reading— We cannot stress enough that children need to read and have their reading diaries signed 5 times a week. Children who don't read at home will read in Catch Up Club. In school, we will be focusing on how reading fluently and expressively can support our understanding of a text's meaning.

Maths— Arithmetic and fluency will continue to be a focus for us this term as we apply our skills to a widening range of reasoning problems across the breadth of the maths curriculum. Children need to be fast and efficient with their times tables.

PE—The focus this half term is athletics. Children must have their full PE kits available in school every day.

French—We will learn how to order breakfast in a French café this half term and to ask questions about other people's orders. We will role play our own café scenarios to support this.

Art - This half term, we will be exploring clay manipulation techniques including pinching and coiling. As always, we will be evaluating the effectiveness of our own work.