

Mathematics

Place value within 1,000,000

In this unit we will begin with understanding Roman numerals and looking at how this number system works. We will go on to find the value of each digit in numbers up to 1,000,000. The children will partition numbers in different ways and round numbers to the nearest, 10, 100 and 1000. We will compare, estimate, and order numbers up to 1,000,000. Throughout the term we will use negative numbers and create our own number sequences understanding the value of any digit in a number up to 1,000,000.

Addition and subtraction

The children will add and subtract numbers with up to 5 digits using both column methods as well as mental estimations.

English

In term one, the focus will be to get children writing regularly again after the long summer break beginning with some poetry (What I didn't do in the Summer Holiday) Our English texts are then linked to the science topic of Earth and Space. We will be writing a range of different text types including non-chronological reports, formal persuasive letters, diary entries, character descriptions, short explanations and news reports based on the books Hidden Figures by Margot Lee Shetterly and Curiosity: The Story of Mars Rover by Markus Motum. In term 2, we will be completing several different genres of writing linked to Shackleton's Journey by William Grill. These will include poetry, journalistic writing, diaries and persuasive speeches. In all writing, we will identify the particular features of each genre as well as focus on the technical aspects of writing in general.

For Spag, we will include a review of prior learning with a focus on some common errors. Our main aim will be to improve written sentences and include a variety of higher-level vocabulary and punctuation throughout.

DT Term 2: Electrical systems – Doodlers

The children will problem-solve and work out how a product has been constructed. They will then use series circuits and motors to develop a doodler of their own.

Willow Class Curriculum Map Autumn – Year 5

RE Term 1 – God - *What does it mean if God is holy and loving?*

Children will make connections between biblical texts and Christian ideas of God. They will look at how the features of a church strengthen Christian beliefs and the impact of Christian songs.

Term 2 – Incarnation – *Was Jesus the Messiah?*

Children will explain the place of incarnation and Messiah within the 'big story' of the bible. They will think about how this idea is important to Christians and what difference it might make in people's lives.

History Term 1: Islamic Civilisations – The Round City:

Baghdad Children will learn about the building of the ancient city of Baghdad and how it became a city of learning.

Term two: Anglo-Saxon Britain. We will look at the arrival of Christianity in Britain, everyday life during this period of history and at Sutton Hoo – the awe-inspiring Anglo-Saxon royal burial site.

Geography Term 1: Why is California so Thirsty?

Children will study this area of America looking at the importance of water for day-to-day life as well as farming and how the lack of water is managed.

Term 2: Oceans: Children will learn about the difference between oceans and seas, and how they affect trade, climate and climate change.

Latin Term 1: We will begin the year with a review of vocabulary before looking in more detail at the Roman Army and the life of a Roman soldier.

Term 2: The children will look at the language of beauty and how to pay compliments. They will also learn about the story of Midas and the Golden Touch.

Computing Term 1: Children will take part in a series of online safety lessons through Project Evolve. They will also work on improving their keyboard skills.

Term 2: Computer systems & networks – systems & searching. Children will develop their understanding of computer systems and how information is transferred between systems & devices.

Science

Term 1 - Properties and Change of Materials

Children will learn to compare and group together everyday materials based on their properties, (hardness, solubility, transparency, conductivity and response to magnets). We will also investigate thermal conductors and insulators, and which electrical conductors make a bulb brightest. We will use a range of different process to separate mixtures to investigate which materials will dissolve.

Term 2 - Earth and Space

We will look at the movement of the Earth and other planets relative to the sun in the solar system and describe the movement of the moon relative to the Earth. We will use the idea of the Earth's rotation to explain how day and night occur and the apparent movement of the sun across the sky.

R(S)HE

Term 1: Being Me in My World – Who am I and how to I fit? Children will look forward to the year ahead, we will look at how we can make our school community a better place, how to care about other people's feelings and how to work well with them.

Term 2: Celebrating Difference – Respect for similarity and difference and being unique. Children will look at different cultures and the effect that rumours and name-calling can have and how we can make a difference to how others feel.

Art Term 1: Sculpture - Interactive Installation Children will learn about installation art, explore space and scale in 3D art and problem-solve in construction and planning installations to communicate ideas effectively.

Music Term 1: The children will learn some different body percussion with some complex rhythms. They will also look at songs in canon form (rounds) and use this understanding to learn some partner songs (different songs that can be sung at the same time) in up to two parts.

Term 2: Children will learn the ukulele. They will learn the correct way to hold and strum the ukulele as well as some initial chords. They will also learn songs for the Christmas service.

PE Term 1: Monday - Swimming

Friday – Cricket. We will continue the excellent cricket instruction from last term. Children will learn and practise the skills needed to take part in small-sided cricket games.

Term 2: Monday – Swimming

Thursday – Outdoor & Adventurous Activities (OAA). Children will take part in some outdoor problem-solving activities and begin using orienteering skills using compass points and directions.