

Science

Forces

Children will understand that gravity is what holds you on the surface of the Earth. Know that friction, air resistance and water resistance slow things down. Use scientific equipment carefully and read scales on equipment to undertake scientific enquiry. They will record results and construct graphs to present these results. Know that in order to keep a test fair only one variable can be changed.

Earth and Beyond

Children find fascinating facts about the sun, moon and Earth. They will develop an understanding of how day and night occur, the four seasons and the moon's phases. Children will investigate the sun and the planets making up our Solar System along with the other stars in their constellations.

PE

This term the class will be developing skills and techniques used in Tag Rugby. The sessions will focus on building skills, communication, teamwork, participation and progress. Children will also be focusing on Athletics which teaches a variety of skills including running, jumping and throwing.

Additionally, children will be learning about the benefits of making healthy choices in their daily life, such as setting goals, nutrition, exercise and mindfulness.

Spanish

The children will be learning about 'Mi Clase' and 'Los Planetas' and developing their written and spoken Spanish language. They will be learning about Spanish culture and how to hold simple conversations.



Computing

Children will investigate the concept of "big data". They will review how data and information are stored and searched on computer networks. They will focus on E-Safety and investigate their digital footprints and discuss ways of using online tools responsibly, securely and safely. They will design, create and search databases, producing reports from the data considering accuracy.



PHSE/Citizenship

The children will be developing their thinking skills through a range of P4C enquiries. These will focus on many different topical, controversial issues. We will be focussing on Values Education and British Values.

Upon their return to school, children will have time to reflect and discuss the pandemic. They can share their worries, concerns and thoughts about their time spent at home and how they feel getting back into routine.

Literacy

This year will continue to focus on grammar, spelling and punctuation. The children will be exploring a range of texts and write their own historical narratives. To do this, children will explore the text *Kaspar: Prince of Cat* by Michael Morpurgo with many different learning outcomes written in a variety of genres. They will be making connections and linking their Literacy work to their studies of the Titanic.



In addition to this, we will be looking at a range of poets and exploring poetic form and poetic techniques used to create imagery. The class will develop their imaginations, language and creativity when we look at a range of visual texts.

Reading records will be checked weekly on a Monday morning. It is expected that your child reads daily and adds a comment in their reading records.

This year, children will be working to improve their spellings. To do this, there will be three 15-minute spelling lessons each week which will replace the weekly spellings test. Within these lessons, children will revisit vocabulary previously learned, practice and explore new vocabulary and finally apply, assess and reflect on their learning.

Year 5 Autumn Term 2020



Mathematics

We will spend some time revisiting learning from the previous academic year due to the pandemic. These areas of learning include multiplying, dividing, time, fractions and shape.



We will work to ensure children have an understanding of these areas of learning so that they can continue to develop their ability to apply what they have learned to real-life situations.

Children will also participate in Daily Fluency sessions, replacing the Daily 5, which will help them to develop their problem solving skills, critical thinking skills and ability to discuss their reasoning.

History & Geography

Autumn term will be spent exploring the Titanic: its history, the guests, its voyage, the planned route from Britain to America, and the infrastructure of the boat itself.

In these lessons, we will plot events of the Titanic's journey onto a timeline and be able to explore, discuss and understand evidence given as to why the boat sank, and who was affected. We will know the boat as passengers from different social backgrounds and therefore their reasons for being on the boat may have been different. Historical enquiry skills will be developed to understand the reasons and results behind the historical event.

Our mapping skills will develop as we trace the journey of the Titanic from its departure to its final resting place! We will look at older methods of navigation and how these compare to technology today.

Art & DT

We will begin by exploring and creating patterns through the work of the artist Gustav Klimt. The children will collect visual information from different works of art by Klimt and use a variety of methods and techniques for shaping clay into a mould. Children will use their mould with plaster of Paris with to create and decorate a Klimt inspired decorative plaque.

In DT, children will be exploring properties of materials and planning a design for an effective lifeboat. Children will then take their design and build a lifeboat which is designed to stay afloat under severe sea conditions.

Music

Children will explore music played on/during the era of the Titanic. They will be responding to different orchestral sounds, identifying expression, adding lyrics to orchestral pieces and creating scenes where the music correlates to their actions.

RE

Human Responsibility and Values

Consider and apply ideas about ways in which diverse communities can live together for the well-being of all. Respond thoughtfully to ideas about common values, justice, respect and shared human responsibility.

Identity and Belonging

To show and express insights into the challenges of individual commitment, belonging and faith.

