Autumn Term

Science
In the Forces in Motion project, we will revisit prior learning about forces and discuss the two types: contact and non-contact forces. We will learn about gravity and observe it in action. We will also revisit learning about friction and design a comparative test to explore its effect. Additionally, we will learn in detail about the frictional forces of air and water resistance and conduct investigations to observe them in action. Finally, we will learn about mechanisms, including gears, pulleys and levers and follow instructions to investigate how these simple machines use forces to make tasks easier.
In Our Place in Space project, we will learn the names of the planets, model their orbits and investigate Earth and the Moon. We'll discover how evidence proves that the Earth is spherical and explore the phases of the Moon. Also, we will find out how Earth's rotation causes day and night, makes the Sun appear to rise in the east, move across the sky and set in the west and then use equipment to model these ideas.

English
Following the structure of Talk for Writing: imitate, innovate and independent application. The children will engage with a variety of fiction and non-fiction texts this term. We will look closely at a Tale of Fear called Zelda Claw with the focus of developing our setting description and a Wishing Tale called Fowler's Yard with the focus of both character and setting description. The children will explore and write their own information texts. Our model text will link to Zelda Claw and be titled 'Rain Cats'.

Computing
During the Autumn 1, our e-safety will be exploring fake images and videos online and how to spot them. In Autumn 2, we will explore how different online behaviour contribute to Cyberbullying. In our unit called, Technology in our Lives, we will explore the difference between the internet and the World Wide Web. In our Multimedia unit, we will then look at presenting data appropriately and creating an advertising campaign.

Geography
During our A Tale of Two Settlements project, the children will use maps, data and geographical skills to locate Barcelona and explore its climate, time zone, transport, services, culture and key human and physical features. We will then classify Barcelona as a city before comparing it with Alquézar. To complete the project, we will investigate another world settlement and share our findings.

Religious Education
Following our agreed RE syllabus, NATRE, in Autumn 1 the children will explore 'What does it mean if Christians believe God is Holy and loving?'.
During Autumn 2, the children will explore 'What does it mean to be a Muslim in Britain today?'

Design and Technology
In our Powering Movement project, we will learn how pneumatic systems work and how they can be used to create movement, lift loads and solve practical problems. We will explore how pneumatics and levers work together, investigate simple machines and design, build and refine a pneumatic prototype. Throughout the project, we will test ideas, gather feedback and improve our designs to create an exciting product.

Maths (Year 5)
In Maths, the children will be looking at place value: focusing on reading, writing, ordering and comparing numbers within a million as well as focusing on rounding. We will then move onto addition, subtraction, multiplication and division in which the children will become fluent and confident in answering questions with 4 or more digits. They will use these key skills to also answer missing digit questions and contextualised problems. We will also look at developing our fraction knowledge of being able to find equivalent fractions, as well as adding and subtracting fractions.

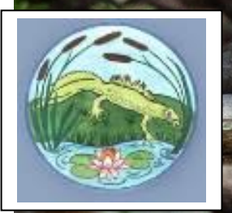
PSHE
Using the SCARF curriculum, our first unit will be called 'Me and My Relationships', in which we will explore the importance of working together, solving friendship problems and knowing how to be assertive and say no to peer pressures that may occur.
In Autumn 2, our unit is called 'Valuing Differences' in which the children will understand and appreciate other's differences and explore respect and tolerance of others.

Maths (Year 6)
In Maths, the children will start by looking at place value: focusing on reading, writing, ordering and comparing numbers within 10,000,000, as well as being able to round any given number. They will then move onto developing their confidence in answering questions with the 4 operations: addition, subtraction, multiplication and division. Later in the term, we will start to explore fractions, looking at equivalent fractions, mixed number fractions and improper fractions.

Art
In our The Art of Light and Line project, the children will learn how artists use line, light and shadow to create form, mood and dramatic effect. We will explore continuous line drawing, shading techniques and the use of black and white in drawing, photography and digital media. Through practical experimentation with pencil, ink and digital tools, the children will apply their learning to create detailed artwork and reflect on how effectively they have used light and shadow.

History
In our The Greeks: A Lasting Legacy project, the children will discover how Ancient Greece, especially Athens during the Classical period, shaped the world. We will learn about Greek city states and explore evidence of life in Athens, including the development of democracy, philosophy, architecture and theatre. Through historical sources, drama and discussion, we will build our knowledge before debating which Athenian gift has had the greatest influence today.

French
In French, the children will be looking at the neighbouring countries of France, recognising famous landmarks and pronouncing those in both French and English and developing their confidence in recognising and forming numbers up to 1,000.

Physical Development
This term the children will be taking part in a variety of invasion games to develop their teamwork skills, as well as developing a wide range of skills. These will be developed through a variety of different sports such as netball and basketball.

Music
This term, the children will be taking part in weekly music lessons focusing on singing, rhythm and composition. In Autumn 2, children will also be preparing songs for our carol concert.