

**SCIENCE - FORCES & MAGNETS STATES OF MATTER - Term 2**

For the first science unit, children will develop their knowledge and understanding of different forces including pushes and pulls, and friction. They will also explore magnets, recognising which materials are attracted to a magnet. As part of the investigational aspect, children will develop their understanding of the 'Fair Testing' concept.

**States of matter**

Children will learn about different states of matter and how to differentiate between solids, liquids and gases. They will develop an understanding of how a material can change state and will have the opportunity to explore this practically. Children will develop their knowledge of key processes and vocabulary, such as evaporation and condensation, and will apply the theory of changing state to real life occurrences, such as The Water Cycle. They will continue to plan and record the results of tests and experiments.

**Rocks and Soils**

Finally, children will learn about 'Rocks and Soils'. Through practical investigations, the children will develop their understanding about the properties of rocks and soils. From their findings, the children will consider which rocks would be most appropriate for a particular job. For example, *Which rock would be suited for a kitchen work top?* The children will also look at different types of soils and how useful they are in farming. The children will be introduced to new vocabulary such as permeable and impermeable.

**Computing:**

In term 1, children will develop their knowledge of using the internet safely; understanding what information is private and which information can be shared. Through on-line research, the children learn about copyright and apply this knowledge when undertaking their own research. They will develop their typing skills and become familiar with shortcut keys. The children will then use their new research skills to create a multimedia presentation to share with the class. In term 2, children will edit digital images and pictures, and create multimedia presentations using text images and sounds.

**Languages**

In French lessons the children learn how to read and pronounce some of the names of key places in a town or village and ask basic questions relating to towns and villages. The children will also identify features of a French village and how these compare to their own locality.

**ART**

In Term 1 and 2, the children will study some of the printed works of Andy Warhol. They will develop an understanding of a range of printing techniques which will include block printing and incised prints. They will have the opportunity to explore their ideas using first-hand experience and their imagination to support them as well as be expected to evaluate their work. This will enable the children to make informed decisions regarding their final design evaluate their success and consider ways in which it could be improved if the task was undertaken again.

**RE - Judaism**

The children will develop an understanding of the significance of the key festivals of Rosh Hashanah and Yom Kippur.

**Christianity**

The children will develop an understanding of the role of Jesus as a teacher to Christians. A range of parables will be read and discussed to identify the lesson that Jesus wanted his followers to learn.

**Music**

In music lessons across both terms, children will learn about how music can create an effect or atmosphere. They will listen to example pieces of music and comment upon aspects such as timbre, loudness and tempo. Using their knowledge of these features, children will then create original compositions designed to evoke a feeling or emotion, or represent a dramatic event. They will use a range of tuned and untuned instruments, experimenting and refining their work to achieve a desired effect.

**Outdoor P.E**

Across Terms 1 and 2, children will develop skills in invasion games. In both rugby and hockey, children will learn how to send, receive and control a ball, in addition to learning the general rules of each game. They will have the opportunity to apply their skills in mini game situations.

**Indoor P.E**

Dance sessions in Term 1 will be based on Zumba style dancing, with children learning different routines weekly and working on improving their general fitness. In Term 2, children will participate in gymnastics, where they will develop floor sequences and routines both individually and as part of a pair or group.