

COMPUTING - SCRATCH

The children will explore the features of Scratch programming software. They will understand the term sprite and recognise the functions of the different coloured programming blocks before learning how to 'snap' these together in order to create an algorithm to control their sprite. They will make their sprite dance and tell stories before using broadcasting blocks to write code which enables two sprites to have a conversation with one another! Next, they will apply these skills and debug their algorithms by detecting and correcting algorithms to solve problems.

MFL – FAMILY

The children will learn the names of different members of their family in French. They will listen to songs and play games to help them remember this new learning. They will develop their understanding of possessive adjectives (*mon, ma* and *mes*). Children will have a conversation where they introduce family members by asking simple questions. They will learn how to talk about their siblings' names and ages before creating a piece of writing to a pen pal applying their knowledge of vocabulary and grammar. Children will learn how to enhance their work using a French dictionary.

SCIENCE – ROCKS AND PLANTS

The children will compare and group together different rocks based on their appearance and physical properties. They will learn about how fossils are formed and begin to understand that soils are made from rocks. They will identify the different parts of plants and the functions of these. They will plan investigations to identify the requirements of a plant and how they transport water. The children will explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

GEOGRAPHY – VOLCANOES

The children will name some of the major countries of Europe (France, Italy, Spain, Germany, Poland, Russia, Finland, Norway and Sweden) and then locate them on atlases, maps and globes. They will then describe and understand key aspects of volcanoes and earthquakes using geographical language such as core, mantle, crust, plates, magma and lava. The children will locate places in Italy where volcanoes still exist today. They will also study the human and physical geography of this area making comparisons between the industrial north, the mountainous central and touristic south.

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RE – THE MOSQUE

The children will be able to name the important features of a Mosque such as the mihrab, the minbar and the minaret. They will be able to identify these on a visit to a local mosque. The children will be able to draw some comparisons to the church that they visited in Year 1. They will also learn about why the Mosque is a special place for Muslims. Finally, they will find out about how Muslims show respect when they go to this special place of worship before creating a visitor's guide for showing respect.

HISTORY – THE ANGLO-SAXONS

The children will be able to place the Anglo Saxons on a timeline and compare its position to the work previously studied on the Stone Age and the Roman Empire. The children will learn that the Anglo-Saxons came from different countries in Europe and they will discover why they settled in Britain. The children will look at artefacts discovered at the burial of Sutton Hoo to learn more about this time period. They will learn about the importance of farming to their way of life. Finally, the children will find out about the different battles that the Anglo-Saxons had including those with the Vikings.

DT – CRAZY CATAPULTS

The children will learn about the importance of Roman catapults during invasions and physical forces used to power them. They will then look at a range of catapult styles (such as pyramid and lever) before making and testing prototypes of these. They will explore different materials that they could use to create their chosen catapult and techniques to ensure that their structure is stable and strong. They will then create their own catapult based on their design choices before taking part in a competition to see which catapult can launch a boulder the furthest!

MUSIC – SAMBA

This term, the children will continue to work with their specialist music teacher. They will learn how to play more complicated, syncopated rhythms using traditional samba instruments and will also be composing their very own class samba. The children will learn how to develop a variety of rhythms at the same time and will continue to develop their ability to sing in tune. They will learn to combine singing, dancing and playing instruments to perform a real Brazilian samba.

ART –JULIAN OPIE AND MOSAIC

To begin with, the children will appraise a range of Opie's art and begin to recognise his simplified style which is characterised by black outlines. They will experiment with this style using different media before creating their own self-portrait 'portraiture' pictures based on his work. Children will explore new mediums in which to create a portrait, before creating a lookalike face using clay. Next, the children will explore different mosaics that were brought to Britain by the Romans. They will practise the technique of printing individual squares using a printing stick to create repeating patterns and geometric borders. They will use this study to create their own mosaic masks.

OUTDOOR PE – ATHLETICS

Throughout this unit, children will continue to work on their athletics skills and will describe how their body feel when doing different exercises. They will use mobility exercises during their warm-ups before engaging in a range of pulse-raising, running games to develop nimble footwork, transference of body weight and spatial awareness. They will develop their sprinting, throwing and jumping skills whilst working cooperatively with a partner to count, measure, time and give peer-assessment linked to given criteria. They will begin to develop simple tactics.

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RELATIONSHIPS AND HEALTH

The children will identify that they need the right types and amount of nutrition as shown in the food pyramid. They will learn the key terms: carbohydrates, protein, milk and dairy, fruit and vegetables, fats and sugars. They will recognise the importance of calories when choosing what to eat and learn around 1700 calories a day is acceptable for an eight-year-old. They will also recognise the importance of good quality sleep (10 or 11 hours a night for an eight-year-old) for good health.

INDOOR PE – DISABILITY SPORTS

In PE, children will explore Paralympic sports to discover their inclusivity. Children will play goalball, which will show them a game that can be played regardless of whether a person has their sight. Children will use blindfolds and discover the importance of their hearing to be successful. Children will then be introduced to seated volleyball to introduce them to a sport that can be played by all regardless of mobility. Using their knowledge of inclusivity, children will then come up with a game that can be accessed by all. They will share these games with older children.