

## ICT –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 tell jokes to one another! Next, they will apply these skills and debug their algorithms to create an Etch a Sketch game using the program.

## MFL –HOBBIES

The children will understand the names of a variety of hobbies and past time in French before using different games and rhymes to consolidate these. They will then learn how to understand and follow an interview between two native French speakers talking about their hobbies. They will use this knowledge to create their own interview about hobbies with a partner and will learn how to use a French dictionary to look up any spellings or words they are unsure about.

## SCIENCE – STATES OF MATTER

The children will compare and group materials according to whether they are solid, liquids or gases and will develop simple descriptions of the state of matter. They will observe that some materials change state when they are heated or cooled and measure the temperatures when this happens. They will explore the effect of temperature on substances such as chocolate and butter. They will understand the different parts of the water cycle and how evaporation and condensation are important processes within this.

## GEOGRAPHY – YORKSHIRE COAST

The children will begin by locating towns and villages located along the North Yorkshire coastline before looking in detail at the coastal town of Whitby. They will use different geographical sources to produce simple OS maps which include important human and physical features and will consider what makes it a popular tourist attraction today. They will then consider coastal erosion and what is being done to minimise this in Whitby. Next they will investigate the importance of the River Esk and why it has a special law to protect it.

## The Water Cycle Year 4 - Summer



## RE – PILGRIMAGES

The children consider clubs and organisations they belong to and how it is sometimes difficult to stay committed. They will consider why the Pope is so special to Christians and how they show commitment to him. Next, they will consider their own special places and consider why they might go on a journey. They will explore why Lourdes is special to many Christians and what Hajj means to Muslims before writing a diary extract about one of the pilgrimages they have studied.

## HISTORY – POLAR EXPEDITION

The children will use a range of sources to investigate 'the race to the South Pole'. They will piece together evidence to find out about the voyages of Scott, Shackleton and Amundsen before creating timelines to show key events. Next, they will focus on the Endurance expedition. They will write adverts for crew members before using photographs to explore the dangers which they encountered. They will write news reports about the crew being washed up on Elephant Island and will use hot-seating to interview them on their return.

## DT – PNEUMATIC SEA CREATURES

The children will recognise how pneumatic systems use air to make things move before creating their own simple, pneumatic mechanisms with bottles and balloons. They will carry out an investigation to test how strong this mechanism is before using this knowledge to research examples of pneumatic systems used in everyday life. Next, they will trial different pneumatic mechanisms such as syringes. They will then apply this knowledge to design and create their own moving sea monster which can be controlled by a pneumatic pump.

## MUSIC – OFF-BEAT RHYTHMS

The children will begin by exploring a range of music featuring bells and clocks to help them to understand rhythm and syncopation. They will learn to sing and play bell patterns and listen to an orchestral clock before applying their knowledge to create their own descriptive music using a range of tuned and untuned percussion. Next, the children will begin to explore and create a range of musical notation to build up performances from different periods and styles. They will learn a variety of melodies such as: Renaissance dance melodies and La Morisque.

## ART – GREAT WAVE OF KANGAWA

The children will appraise a range of artwork by Hokusai before studying *The Great Wave of Kangawa*. They will discuss the images in the background, middle ground and foreground before experimenting with different mediums to recreate the different sections of the wave. Next, the children will explore Janet Bolton's textile collages related to the seaside. They will sketch and plan their own collage, select different fabrics to represent different parts of their art and practise simple stitching techniques before applying these skills to their own collages.

## OUTDOOR PE – SWIMMING

The children will be taking swimming lessons at Pontefract swimming pool. Children will work on their skills as well as physical fitness during these sessions. They will be taught to swim competently, confidently and proficiently over a distance of at least 25 metres. They will be taught to use a variety of strokes such as front crawl, backstroke and breaststroke. They will also consider water safety and perform self-rescue in different water-based situations. They will learn how to pace themselves in floating and swimming challenges related to speed and survival.

## The Water Cycle Year 4 - Summer



## PSHCE – GOOD TO BE ME

The children will explore begin by exploring hopeless thoughts before creating a poster to encourage people to think hopeful, helpful and positive thoughts.

## ENRICHMENT

The children will visit a Yorkshire Water treatment centre where they will learn about the water cycle and how the company ensures that we have a constant supply of fresh water.

## INDOOR PE – ROLLING

In Gymnastics, the children will learn how to rotate and roll on different body parts whilst using different speeds and showing different shapes and sizes. They will create sequences with a partner on the floor and using apparatus using a variety of these movements. They will observe the work of others and learn how to offer constructive feedback. In Dance, the children will explore and create movement in response to a snooker game. They will perform more complex dance phrases and learn how to link these together logically and fluently.