

## Science (Circulatory System)

In the Circulatory System project, the children will revisit prior learning about the systems in the human body. They will explore the role of the circulatory system and its main parts. They will look closely at the structure, functions and features of the heart. They will learn about the components and functions of blood. The children will draw and label diagrams of each type of blood vessel and learn about their structure and function. They will test their resting heart rate using a variety of methods. They will investigate whether having a lower resting heart rate means you can sprint faster. Furthermore, they will recap what they know about healthy eating and the Eatwell guide, exploring foods that fall outside the Eatwell plate and recommended daily amounts of foods. They will research the effects of smoking, alcohol and drugs on the human body.

## English

Following the structure of Talk for Writing our first unit focuses on a take of Hansel and Gretel. The children will be presented with a persuasive letter that they will recite with actions. We will also explore and learn about the skills needed to write an effective persuasive letter. Following on from our letter writing, the children will then have a model text of Hansel and Gretel as a Defeat the Monster tale. Children will learn skills needed to write this effectively and also focus on developing their suspense writing. In Autumn 2, the children will explore discussion texts and explore another fiction unit on warming tales - focusing on developing their setting description.

## Computing

In Computing this term, the children will be taking part in a variety of E-safety lessons; recapping on how to be safe online and how to know the difference between a fact and an opinion online. Later in the term, the children will have a go at creating a video to promote our school using a range of multimedia techniques in their video e.g. image editing, green screening and sound.

## Religious Education

Following our agreed RE syllabus, NATRE, in Autumn 1 the children will explore 'Christians and how to live: what would Jesus do?'. During Autumn 2, the children will explore 'Why did Christians believe that Jesus was Messiah?'.

## Geography (Our Changing World)

During Geography, the children will revise the features of the Earth and learn more about time zones. They will recall how to use lines of latitude and longitude to pinpoint places on a world map and learn about map scale. Your child will also learn about global warming and climate change and discover how climate change and extreme weather affect people worldwide. They will learn about global trade and find out about the export of manufactured goods, food or natural resources.

## 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.

## 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.

# Autumn Term

## Art (Tints, Tones and Shades)

In Art, the children will learn about the colour theory by studying the colour wheel and exploring mixing tints, shades and tones. They will also learn about significant landscape artworks and features of landscapes before using this knowledge to create landscape paintings.

## Music

This term, the children will be taking part in weekly music lessons focusing on singing, rhythm and rounds. They will also be learning carols for our Christmas carol concert.

## French

During French this term, the children will cover a unit called 'About Ourselves'. They will get the opportunity to describe themselves and learn the names of parts of the body. They will also explore clothing. Children will also explore Christmas in France compared to the UK.

## Physical Development

Children will have PE on a Wednesday and a Friday afternoon, the children will be running, jumping, throwing and catching in isolation then applying these skills into competitive games, modified where appropriate. The children will also develop their flexibility, strength, control and balance within PE. Children will also take part in challenges both individually and in a team.

## History (Maafa)

In History, the children will learn about Africa today and the ancient kingdoms that thrived on the continent for thousands of years. They will learn about the origins of the transatlantic slave trade in the 15th century and Britain's involvement from the time of Elizabeth I, when John Hawkins became the first British slave trader. They will understand the structure of the transatlantic slave trade and the consequences of enslavement for enslaved people. They will also discover how the people of Britain benefited from the money and goods produced by the slave trade. They will learn about the causes and consequences of the abolition of slavery in the 19th century. They will explore the lives and actions of black people in 20th century Britain. They will understand how the Race Relations Act of 1965 became the first piece of British legislation to tackle racial discrimination and know that the Equality Act 2010 provides people with protection against racism and other forms of discrimination today.

