

### Maths

Through our daily MOT lessons, we will be continuing to focus on fluency and arithmetic skills. We will be embedding written calculations, including long division and long multiplication, adding and subtracting fractions and finding percentages of amounts.

In our Maths lessons, we will be continuing our work on fractions, percentages and decimals. This will include converting fractions to decimals and percentages and ordering fractions, decimals and percentages. The children will be provided with lots of opportunities to explore this through concrete, pictorial and abstract methods before developing their reasoning and problem-solving skills.

### Science

Our topic will be 'Animal Including Humans'. Through this topic we will be exploring the function of the heart. We will also be identifying and naming the main parts of the human circulatory system and describing the functions of the blood vessels and blood and how these are crucial in keeping us alive. We will also be strengthening our investigative skills by planning, carrying out and presenting the results of our own investigation about the effects that smoking can have on the lungs.

### English

Our writing this half term will be based on a wonderful book, 'A Story like the Wind' by Gill Lewis which explores themes of family, community and home. We will be starting this unit by writing a flashback narrative before moving onto writing a newspaper article. We will continue to develop our understanding of synonyms and antonyms and how these can be used to convey meaning and atmosphere. We will also be focusing on expanded noun phrases, formal and informal speech structures, hyphenated words and semi-colons.

In our reading lessons, we will be exploring modern fiction and poetry. Over the term, we will be reading extracts and poems from three fantastic books: Boy in the Tower, Asha and the Spirit Bird and Carol Ann Duffy's New and Collected Poems for Children. Over the term, we will be continuing to practice a range of reading skills such as retrieving information, making predictions and making comparisons within the text.

### Geography

In this unit we are exploring the unit 'Mountains and Volcanoes'. During this unit, pupils will investigate the structure of mountains and volcanoes, where these are located in the UK and wider world and explore famous examples of each. Children will also develop an awareness of different types of mountains and volcanoes and at the end of the unit, pupils will be answering the question, 'What are mountains and volcanoes and how are they different?'.

### PHSE

In PSHE, Year 6 will be exploring the unit 'Celebrating Differences'. Through this unit we will be exploring ways in which differences can sometimes be a source of conflict and how instead we can educate each other to celebrate these differences. We will also be exploring the British Value of 'Individual Liberty'. We will take time to explore why this value is important, why it is important to be respected and what can happen if people's opinions are not respected.



# St Michael's

## C.E. Primary School

Year 6  
Autumn 2

### DT

During DT this half term we will be completing our 'Mechanics' unit. We will continue to explore the relationship between CAM profiles and follower movement, to inform a design decision and produce our final product. We will then be moving on to our second DT project - Structures. Through this unit children will get the opportunity to design a playground featuring a variety of designed structures using footprint plans. We will be creating prototypes, learning how to manipulate materials to strengthen structures and make improvements to our designs based on peer evaluation.

### Computing

During DT this half term we will be looking at data handling. We will identify how barcodes and QR codes work. And know how infrared waves transmit data. Children will recognize how RFIDs work and use these to input and analyse real-world data.

### PE

This term, we will be starting our Handball and Dance units. In Handball, the children will be developing their dribbling, passing, shooting, defense and position skills while working as a team. In our Dance unit, Year 6 will be building on and learning new compositions such as formations, canons, and lifts. We will also be developing our dance skills through selecting appropriate dance actions and adapting these to create motifs and movement patterns. Through this unit we will be working creatively and imaginatively, independently, in pairs and in groups to create a sequenced piece of choreography.

### RE

This term, we will be exploring the topic, Christians and How to Live: What would Jesus Do? We will be identifying the features of a range of Gospel texts, suggesting the possible meanings and comparing our own ideas with ways in which Christians interpret biblical texts. We will be exploring how Christians live in both the Christian community and in their individual lives, while providing many opportunities to make links to our own lives, including how we can show peace and offer forgiveness. Finally, we will be exploring what the Gospels say about the birth of Jesus.

### MFL/Music

In MFL, we will learn about a French house. We will learn to describe houses and write a description of a house in French. We will then use prepositions to describe the position of items in the bedroom. Finally, we will write a letter to describe our houses in French.

In Music, we will be inspired by the Pop Art movement as children will learn how to have a greater accuracy in pitch and control; identifying pitches within an octave when singing and using knowledge of pitch to develop confidence when singing in parts.