

### Maths

In Year 4, we will delve into the concept of area by engaging in activities such as counting squares to measure space, creating various shapes, and comparing the areas of different figures. They will also enhance their multiplication and division skills by focusing on the 3, 6, and 9 times-tables. This includes learning to multiply and divide by these numbers, as well as mastering the related division facts. Through these exercises, students will develop a solid understanding of how to calculate and compare areas, and improve their proficiency in using multiplication and division in practical contexts.

### Science

In Year 4, pupils will explore the topic of electricity, investigating whether all shiny objects conduct electricity. They will learn about common electrical appliances, the scientific symbols for circuit components, and how switches control circuits. They will also understand the difference between conductors and insulators, with a focus on metals as good conductors. Skills developed will include constructing and labelling simple series circuits, predicting circuit functionality, and conducting various scientific enquiries. Students will gather, record, and present data using scientific language, diagrams, charts, and tables, and will report their findings through written and spoken explanations. They will also learn to draw conclusions, make predictions, suggest improvements, and raise further questions based on their results.

### English

In Year 4, we will engage with the text "Leaf" by Sandra Dieckmann, focusing on creating an outsider narrative to develop their storytelling skills. They will work on narrating effectively, with particular attention to verb inflections (e.g., using "we were" instead of "we was"). Students will enhance their sentences by expanding noun phrases with modifying adjectives, nouns, and prepositions, and using fronted adverbials. They will also improve text cohesion by using pronouns to avoid repetition and organizing ideas into paragraphs around a central theme. Additionally, they will refine their punctuation skills, particularly the use of commas after fronted adverbials.

### History

Pupils will explore the fascinating world of Ancient Greece, learning about its significant influence on modern life. They will gain knowledge about who the Ancient Greeks were, the timeline of their civilisation, and their introduction of democracy. Students will also delve into the beliefs of the Ancient Greeks, their invention of the Olympics, and aspects of daily life for men, women, and children. Additionally, they will study the legacy left by Ancient Greece and compare it with the Ancient Egypt. Skills developed will include using dates and historical terms to describe events, employing multiple sources for historical enquiry, using appropriate historical vocabulary, comparing past civilisations, and using evidence to ask and answer questions about history.



# St Michael's

## C.E. Primary School

Year 4

Autumn Term 2

### DT

Children will explore electrical systems by designing and constructing torches with working circuits and switches. They will also explore structures and pavilions. Children will design and build free-standing pavilion structures, focusing on strength and aesthetics. They will reinforce corners, apply cladding, and explore concepts like frame structures and architects' designs.

### Computing

Children will explore the program Scratch in more detail. They will learn about variables and statements, and then use conditions and sensors to control what happens in a Scratch game. They will apply their skills to build a multiplication game and then use debugging skills to correct errors.

### PHSE

In Year 4, students will learn about celebrating differences by understanding how first impressions can change, recognising and addressing bullying, and appreciating self-acceptance and acceptance of others. They will develop skills in sharing experiences of changing first impressions, being an upstander to bullying, supporting peers who are bullied, and reflecting on the importance of respecting individual liberty.

### PE

In Year 4, we will learn about handball, focusing on understanding double dribbling and developing skills such as teamwork, ball control, accurate passing, dribbling, and applying the rules. In dance, they will learn the importance of sequencing movements and freeze frames, while developing skills in leading, communicating ideas through dance, refining and remembering dance phrases, and performing with musicality and confidence.

### RE

In Year 4, pupils will learn about Hinduism, focusing on community, worship, and celebration. They will explore how Hindus in Britain express their faith at home and in the community, and understand key terms like dharma and Sanatana Dharma. Additionally, they will investigate how artists help us understand Christmas, enriching their knowledge of cultural and religious celebrations.

### MFL/Music

In MFL, this term, we will learn to remember and pronounce new words, recognising their gender and appropriate articles. Pupils will understand how to convert indefinite articles to possessive adjectives, correctly identify items of clothing based on the written word and say the words for items of clothing with accurate pronunciation.

In Year 4 Music, students will explore changes in pitch, tempo, and dynamics through the theme of rivers. They will listen to and create music that reflects the movement of water, from gentle streams to rushing rapids. By experimenting with instruments and vocal techniques, they will learn how varying speed, volume, and pitch can convey mood and atmosphere.