

### Maths

In our daily MOT sessions, children will continue to practice their fluency skills, embedding their previous learning including the four operations, fractions, decimals and percentages. We will be focusing further on reasoning and problem-solving skills as the children will be exposed to a range of question styles while explaining their answers and working out.

Year 6 will also deepen their understanding of shape space and measure, including measurement (area, perimeter, and volume) and converting units. Before exploring ratio and proportion and basic algebra. They will learn to calculate measurements accurately, convert between units of measure, solve problems involving ratios and proportions, and explore simple algebraic expressions and equations.

Through practical activities, problem-solving, and real-world applications, students will develop confidence and precision in these foundational skills, preparing them for more advanced mathematical concepts.

### Geography

During Spring, 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 'Dreams and goals'. During this unit children will learn how to work effectively with others in order to make the world a better place and will develop an awareness of what interests and motivates them as an individual and how this can benefit them in their futures. Children will have opportunities to think about their own dreams and goals, particularly in preparation for their transition to secondary school.

### PE

In our Badminton unit we will be focusing on our forehand, backhand and overhead shot techniques in order to apply these techniques to our badminton matches. We will then move on to looking at the skill of serving and being able to start games with an appropriate serve from the ones taught above. We will be working towards ending our sessions by developing our doubles play skills.

In our Gymnastics unit, children will build upon prior knowledge in order to perform increasingly complex sequences. They will develop the ability to combine their own gymnastic moves with others in order to perform group sequences and will be encouraged to perform to music.

### Science

In Spring, we will be continuing our exciting topic, 'Evolution and Inheritance'. The children will continue to explore our big question, "Does survival of the fittest always mean the species are competing against each other?" by thinking carefully about how animals adapt and evolve to suit their environment. We will learn about inheritance and will be making links to our own lives and families. Throughout the term, we will be working scientifically by posing scientific questions using key vocabulary, using results to set up further investigations and applying scientific evidence.



# St Michael's

## C.E. Primary School

Year 6

Spring One

### RE

This half term in R.E. we will be exploring the question 'Why do Hindus want to be and do good?' as part of our interfaith celebrations. During this unit pupils will identify and explore Hindu beliefs and how these beliefs influence daily life. Children will give meaning to the story of the man in the well and will be able to discuss and explain how this relates to Hindu beliefs. Children will continue to make links to their own beliefs and experiences, sharing these in thoughtful discussions.

### English

In our writing lessons this term, we will be using the text 'Origin of the Species'. First, we will be writing a discovery narrative before we write an explanation text about adaptation. The children will build on their previous writing focuses by continuing to explore synonyms, antonyms and expanded noun phrases; they will also use semi-colons, colons and dashes to mark the boundary between independent clauses. Additionally, year 6 will be exploring the difference between vocabulary of informal speech and vocabulary appropriate to formal speech and writing.

Our reading lessons will support our science and writing lessons as we will be exploring a range of fiction and non-fiction texts based around the topic of 'Evolution and Inheritance'. We will continue to develop a range of reading skills including drawing inferences from what we have read, summarising the main ideas and identifying how language, structure and presentation contribute to meaning.

### Art/Computing

During Art this half term we will be completing our 'Art and design skills' unit. In this collection of lessons children will learn and develop their skills in: design, drawing, craft, painting and art appreciation; working as a group to design a hat, creating zentangle patterns and subsequent prints, painting in the style of impressionist painters and exploring the piece 'Nighthawks' by Edward Hopper. They will then move onto our 'Still life' unit where pupils will develop their still life skills, creating a variety of pieces influenced by different artists and using a range of mediums.

In Computing this half term Year 6 will be looking at the unit 'Understanding the internet'. During this unit we will look at what the WWW is and how information is stored and searched for online. We will explore binary data and packets linked to how data travels from one place to another and will look at the impact of viruses and hackers. Children will also learn how search engines work and how results are selected and ranked.

### MFL/Music

In Spring 1, our French topic is *Les Jeux Olympiques et le sport* (The Olympics and Sport). In this unit, children will focus on their speaking and listening skills by learning vocabulary related to sports, athletes, and the Olympics. They will practice discussing their favourite sports and events, use months and seasons to talk about when the Olympics take place, and develop their conversational skills by giving positive and negative reasoned opinions about different sports and activities.

Our music for this half term introduces children to Felix Mendelssohn's *Fingal's Cave Overture*, a Romantic-era composition inspired by the dramatic Scottish seascape of Fingal's Cave on the Isle of Staffa. Students will explore the use of dynamics (loud and soft sounds) and pitch (high and low notes) as expressive tools in music. Children will use their knowledge of dynamics, texture and pitch to create a group composition. This will build their ability to collaborate, experiment with musical ideas, and differentiate between dynamics and pitch.