

### Maths

This term the children will begin by looking at the size of sides and angles in polygons and identifying edges, faces and vertices in 3D shapes. We will then move onto co-ordinates, translation and lines of symmetry and reflection in horizontal and vertical lines. Finally, we will begin to add and subtract decimals numbers.

### Geography

This term the children will be learning about rivers and the water cycle. We will begin by learning about the process of the water cycle. They will learn what a river is and the journey it takes from its source to its mouth. To support the children's understanding, we will visit The Severn Valley Country Park to undertake a river study and pond dip. The children will then use a range of maps and atlases to locate key rivers in Birmingham and the UK and they will identify towns and cities they pass through. They will then locate major rivers around the world.

### PHSE

Our PHSE topic for this term is Relationships. The children will learn about the importance of self-esteem. They will then look at both the positive and negative impact of online communities and explore the rights and responsibilities of belonging to these groups. They will also look at their rights and responsibilities when playing games online and understand how to keep themselves safe in these situations.

### PE

Our PE units this half term are cricket and tennis. In cricket, the children will practice bowling and throwing accurately as well as learning how to defend a wicket and score runs. In tennis, we will introduce volley shots and overhead shots and begin to understand scoring.

### Science

Our Science topic this half term, the children will continue to investigate properties of materials. The children will create solutions by dissolving materials in a liquid and investigating ways of getting these materials back. They children will also investigate different methods of separating materials.

### English

Our class text this term is 'The Lost book of Adventure'. The children will be writing a survival guide based on information from the text. The children will be exploring verbs with prefixes, relative clauses, adverbs to indicate degrees of possibility and converting nouns or adjectives into verbs. During our reading lessons, we will have a geography focus looking at North and South America.

### Art/DT/Computing

In Computing, we will recognise that Scratch is a coding application with music elements. We'll predict the effects of different code blocks, code soundtracks using sound blocks, loops, and nested loops, and use loops to simplify programs. We'll decompose programs into smaller parts, remix existing code, identify and debug errors, and evaluate the effectiveness of programs.

In DT, the children will be looking at structures with a focus on bridges. We will begin by investigating different ways to reinforce structures and understand how triangles can be used for this. They will understand that the selection of materials is important focusing on properties and aesthetics.



**St Michael's**  
**C.E. Primary School**

**Year 5**  
**Summer Term 1**

### RE

In RE we will be exploring whether religions help people when times get hard? We will explore what matters most in life and compare how religious and non-religious people show gratitude. We will then explain how Christianity gives Christians' a sense of purpose before investigating what religious and non-religious people believe about life after death. Finally, the children will begin to understand how religions can help when life gets hard.

### MFL

Our MFL topic is called meet my French family. The children will learn to speak in full sentences using known vocabulary, identify key information in simple writing and apply changes in sound caused by accents when speaking.