

# Year 6 Summer Term Curriculum Map

## MATHS

### Sticky Knowledge:

**Position and direction:** describe positions on the full coordinate grid (all four quadrants) draw and translate simple shapes on the coordinate plane and reflect them in the axes.

**Converting units:** To know and use metric measures for mass, length and capacity  
To know how to measure using the appropriate unit of measure and develop estimation skills  
To know the relationship between metric and imperial measures  
To know to refer to the mass of an object rather than its weight

**Themed consolidation projects**

## HISTORY

### Life in Britain after WW2- Sticky Knowledge:

- To know that hardship continued after the war had finished.
- To know that soldiers from across the British Empire contributed to the war effort.
- To know about ways that Britain was affected after the war: homes, work, family life, travel and health.
- To know that the NHS and The Welfare State was established.

## GEOGRAPHY

### Showcase project

### Sticky Knowledge:

To know locations around the world  
To know threats to parts of the world  
To know how urbanisation/economy impacts their chosen area  
To state how reputable fieldwork was conducted to support their findings

## Computing

### 3D modelling-Sticky Knowledge:

- Vector drawings are made of simple shapes and lines.
- Objects can be moved, resized, rotated and lifted in 3D.

### Programming: B-Sticky Knowledge:

- A micro:bit is an input, process, output device that can be programmed.
- Selection can control the flow of a program.

## ENGLISH

Please find below the core texts we will be using and the text type we will be writing.

**Wonder by R.J Palacio-** Diary entry, formal letter, narrative

**Alma-** Narrative retell, police incident report.

**Hugo Cabaret-**Self-selected piece

**Letter to new teacher**

## Art and Design

### 3D form-Sticky Knowledge:

- Use a variety of tools and select the most appropriate;
- Work in a sustained and independent way from observation, experience and imagination.
- Compare & critique ideas, methods and approaches in their own and others' work and say what they think and feel about them
- Adapt their work according to their views and describe how they might develop it further.

## Design and Technology

### Mechanism: CAMS

### To design and make a CAMS toy

### Sticky Knowledge:

That products are designed to meet specific purposes and why  
That designers use cross-sectional diagrams and produce prototypes of their products  
Apply their understanding of how to strengthen, stiffen and reinforce more complex structures  
Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]  
understand how key events and individuals in design and technology have helped shape the world

## MUSIC

### Sticky Knowledge:

**Music Technology** - children will learn about a wide variety of musical sections and how these can be used to form musical structure.

**20<sup>th</sup> Century Music-** pupils will learn the key features of Hip Hop, Minimalism and Wartime (swing) music.

## SCIENCE

### Light-Sticky Knowledge:

- Light appears to travel in straight lines, and we see objects when light from them goes into our eyes.
- The light may come directly from light sources, but for other objects some light must be reflected from the object into our eyes for the object to be seen.
- Objects that block light (are not fully transparent) will cause shadows.
- Parts of the eye which help us to see.
- Because light travels in straight lines the shape of the shadow will be the same as the outline shape of the object.

### Electricity-Sticky Knowledge:

- Adding more cells or increasing voltage to a complete circuit will make a bulb brighter, a motor spin faster or a buzzer make a louder sound.
- Adding more bulbs to a circuit will make each bulb less bright.
- Using more motors or buzzers, each motor will spin more slowly, and each buzzer will be quieter.
- Turning a switch off (open) breaks a circuit so the circuit is not complete, and electricity cannot flow - bulbs, motors or buzzers will then turn off as well. Recognised circuit symbols to draw simple circuit diagrams.

## PSHE

### What will change as we become more independent? How will friendship change as we grow?

### Sticky Knowledge:

- Know that relationships can look different and that people who are attracted to and love each other can be of any gender or faith.
- Know that people can choose to marry or not or enter a civil partnership.
- Recognise that we need support the rights of LGBTQ+ communities.
- Know the changes they will go through during puberty and who to speak to for support.
- Know how to manage changes with friendships and transition to secondary school.
- know about the word 'permission'.

## Religious Education

### Sticky Knowledge:

### For Christians, what kind of God is Jesus?

- Know that Christians want to make the world a better place.
- That that Jesus came to Earth to show Christians how to live their lives selflessly
- Know some of the qualities of Jesus that Christians admire

### How does faith help people when life gets hard?

- To know what people believe about God and how they respond to challenges in life (e.g. suffering, bereavement).
- To know about how resurrection/ judgement/heaven/karma/reincarnation make a difference to how someone lives.

## PE

**Athletics**  
**Invasion games**  
**Striking and fielding.**