

**Year 6     Autumn Term**  
**What will we learn this term?**

**English**

Our English work this term is linked to our History, Maafa project. We will be read, explore and write newspaper reports, persuasive letters, non-chronological reports and acrostic poems.

**Maths**

**Numbers to million:** In this first unit of Year 6, pupils are refining their knowledge of place value, working with numbers between 1 000 000 and 10 000 000. They will be reading and writing numbers to 10 000 000 using place-value counters, numerals and words. Also round and compare numbers to 10 000 000, followed by placing them in order from smallest to greatest.

**Four operation on whole numbers:** In this unit, pupils will be exploring the four operations in combination and in isolation. They will be creating and solving expressions involving brackets, exponents, multiplication, division, addition and subtraction. Pupils are then multiplying 3-digit and 4-digit numbers by 2-digit numbers using number bonds and column multiplication as the key methods. They will be learning to solve more complex word problems involving multiple operations, including multiplication and division, with bar models being a main heuristic in addition to other pictorial methods.

**Fractions:** Pupils will be learning to simplify, add, subtract, divide and multiply different fractions.

**Decimals:** Pupils will learn to write fractions as decimals; multiply and divide decimals with and without renaming; divide decimals by 2-digit whole numbers

**Measurements:** In this unit pupils will learn more about units of measurements. They will convert units of length in millimetres and centimetres; kilometres and metres; miles and kilometres. They will also convert units of mass, volume and time.

**Word Problems:** In this unit pupils will use knowledge of problem-solving to solve complex problems and tasks.

**Science**

**Circulatory System:**

This project teaches children about the transport role of the human circulatory system, its main parts and primary functions. They learn about healthy lifestyle choices and the effects of harmful substances on the body.

**Computing**

**We are network technicians:** In this unit pupils will experiment with converting simple text messages into ASCII code, passing these to one another, and then decoding them. Take part in a simulation of how networks pass data between computers.

**We are advertisers:** Pupils will find out what makes a good advert then design and make their own. They will record their ideas for an anti-smoking advert aimed at teenagers, that has a powerful visual and an effective slogan. They will use iPads to create their video. Review their rough-cut videos and identify what they need to improve; use advanced feature to edit and improve their videos.

**History**

**Maafa:** This project teaches children about Africa past and present, with a particular focus on Benin. It traces the development of the slave trade and explores Britain's role in the transatlantic slave trade, the causes and consequences of the European colonisation of Africa and the worldwide communities that make up the African diaspora.

**Geography**

**Our Changing World:** This essential skills and knowledge project revises the features of Earth, time zones and lines of latitude and longitude to pinpoint places on a map. Children find out more about map scales, grid references, contour lines and map symbols. They learn about climate change and the importance of global trade. Children analyse data and carry out fieldwork to find out about local road safety. They study patterns of human settlements and carry out an enquiry to describe local settlement patterns.

### Art

**Tints, Tones and Shades:** This project teaches children about colour theory by studying the colour wheel and exploring mixing tints, shades and tones. They learn about significant landscape artworks and features of landscapes before using this knowledge to create landscape paintings.

**Trailblazers, Barrier Breakers:** This project teaches children about significant black artists and their work, and provides opportunities to analyse and create artwork inspired by them.

### Design Technology

**Food for life:** This project teaches children about processed food and healthy food choices. They make bread and pasta sauces and learn about the benefits of whole foods. They plan and make meals as part of a healthy daily menu, and evaluate their completed products.

### PE

**Games: Striking & Fielding: Cricket** The focus of the learning is to consolidate pupils' understanding of batting.

**Gymnastics: Matching & Mirroring: Matching & Mirroring** The focus of the learning is to apply "excellent gymnastics" to everything pupils do and explore the concept of matching.

### RE

**Living by Rules:** Learning from experience. Which rules are most important?  
What behaviour would you expect if there were no rules? Could we live without rules?

**Engage with the need of society for civil order:** Pupils will learn about different religious traditions and non-religious worldviews; also, learn from faith and non-religious worldviews

**Being Fair and Just:** Does it matter if people are unfair? How does it feel to be unfairly treated? Who stands up for those who are treated unfairly?

What lessons do Christians draw from the story of Jesus and the Samaritan woman? What does sacred story teach about fairness? Who stands up for those who are treated unfairly? What can I do when life is unfair to others or to me?

### Music

**Happy:** All the learning in this unit is focused around one song: Happy, a Pop song by Pharrell Williams

**Classroom Jazz 1:** All the learning is focused around two tunes and improvising: Three Note Bossa and Five Note Swing.