



## Year 6 Spring Term Curriculum Map

### Maths

**Algebra:** To use simple formulae

**Area, perimeter, volume:** To use formulae for area and volume of shapes and to compare, calculate and estimate volume of cubes and cuboids

**Decimals:** To know the place value of a decimal number up to 3 digits and use solve problems involving the four operations

**Fraction, decimals and percentages:** To compare, order and simply across a range of fractions, decimals and percentages and recall equivalences

**Ratio:** To solve problems involving scale factor and relative sizes

**Statistics:** To interpret and construct pie charts and line graphs and calculate the mean as an average

### Geography

#### What is Life like in Brazil?

**Sticky Knowledge:**

- ✓ Name and locate some of the countries in South America, particularly Brazil
- ✓ Know some of the natural resources and trade links in Brazil
- ✓ Name and locate major cities, natural wonders and major landmarks of Brazil
- ✓ Explain how latitude affects the climate and economy/trade of Brazil
- ✓ Know facts about the Amazon Rainforest and how the indigenous people live.

### Computing

**Programming A: Variables in games**

**Sticky knowledge:**

- ✓ a variable is something that is changeable
- ✓ the value of a variable can be changed

**Data and Information: Introduction to spreadsheets**

**Sticky Knowledge:**

- ✓ Spreadsheets organise, analyse and store data.
- ✓ Data is stored in cells.
- ✓ Formulas can be used to perform calculations on data.

### Art and Design

**Murals of individual portraits**

**Artist study: Diego Rivera and Frida Kahlo**

**Sticky Knowledge:**

- ✓ To know about the work of artists Diego Rivera and Frida Kahlo and to draw inspiration from their work.
- ✓ To know that murals can be used to convey a message
- ✓ To know how to choose appropriate media to create artwork.

### English

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

- **Holes:** setting description, informal letter, information text and balanced argument
- **Macbeth:** informal letter, persuasive speech, narrative and poetry

### History

#### Crime and punishment through time

**Sticky Knowledge:**

- ✓ To know ways that the Roman Empire ideas on crime and punishment have influenced our modern-day legal system
- ✓ To be able to articulate how punishments for crimes have changed through British history
- ✓ To be able to know the timeline of British History

### Religious Education

**Unit three: Why do Hindus want to be good? Sticky Knowledge:**

- ✓ To know how the story of the man in the well, and explain why it is important to Hindus
- ✓ To know 'the four stages of life' and how these impacts on how Hindu's live their lives

**Unit four: What do Christians believe Jesus did to save people? Sticky**

**Knowledge:**

- ✓ I know the 'big story' of the bible
- ✓ I know why Christians say Jesus sacrificed himself for others
- ✓ I know how Christians show their beliefs

### Design and Technology

**Cooking and nutrition: tacos**

**Sticky knowledge:**

- Names of cooking equipment e.g. a peeler, a knife, weighing scales and bowl.
- To know the different food groups and what proportions we should eat.
- To know what constitutes a balanced diet.
- To know and to use the 'Eatwell' plate to support meal preparation.
- To know and understand the importance of hygiene in the storage and preparation of food.

### PSHE

**How media can influence people and living in the wider world**

**Sticky Knowledge:**

- ✓ Know how online experiences can impact wellbeing
- ✓ Know how to keep personal information safe whilst online
- ✓ Know how to recognise fake news
- ✓ Know how to report information that is inappropriate or upsetting
- ✓ Know that online gaming is addicted and often have hidden costs

### Science

**Animals including humans**

**Sticky knowledge:**

- ✓ The journey of blood around the body
- ✓ The four key components of blood (white blood cells, red blood cells, plasma and platelets).
- ✓ Nutrients, water and oxygen are transported in the blood to the muscles and other parts of the body where they are needed.
- ✓ Diet, exercise, drugs and lifestyle have an impact on the way our bodies function

**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.

### PE

- ✓ Dance unit 2 (Drumba)
- ✓ Net & Wall games
- ✓ Gymnastics Unit 2
- ✓ Striking and fielding

### Music

#### Rhythm

**Sticky knowledge:**

- ✓ I can use a variety of musical devices including contrasting timbres and textures, when creating and playing music
- ✓ I can confidently maintain a part in a group performance including a variety of rhythms
- ✓ I can interpret a graphic score and use it to perform.
- ✓ I can read, play and identify short passages of rhythms using standard notation.
- ✓ I can comment on my own and other people's performances using Yr 6 vocabulary learnt

#### Pitch

**Sticky knowledge:**

- ✓ I can demonstrate increasing confidence, expression, skill and levels of musicality when taking different roles in performance and rehearsal.
- ✓ I can create music which demonstrates understanding of basic structure with a focus on contrasting pitches and melodies
- ✓ I can use a variety of musical devices such as timbre, texture, dynamics and tempo changes