

# Year 5 Summer Term Curriculum Map

## Maths

**Perimeter and Area:** finding perimeters and areas of rectilinear shapes.  
**Statistics:** read and interpret line graphs and timetables.

**Shape:** classify, estimate and measure angles. Angles around a point and in a straight line.

**Decimals:** adding and subtracting decimals; multiplying and dividing decimals by 10, 100 and 1000.

**Converting Units:** converting units of length, mass and time. Converting between metric and imperial units.

**Volume:** counting through zero in multiples, comparing and ordering, finding the difference.

## English

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

**Lionheart Speaks:** preparing and performing a speech on a chosen issue  
**The Lion, The Witch And The Wardrobe:** Write narrative descriptions and a persuasive letter.

**Flotsam:** Writing a news report

**Rhythm and Poetry:** writing poetry

**Informal Letter:** writing a letter to the new teacher

## Science

**Properties and Changes of Materials – Sticky Knowledge**

Materials have different uses and properties depending on their state (liquid, solid, gas).

Some materials will dissolve in a liquid and form a solution while others are insoluble and form sediment.

Mixtures can be separated by filtering, sieving and evaporation. Physical changes are reversible while others (chemical changes) are irreversible.

## History

**Early Islamic Civilisation – Sticky knowledge**

To know that the prophet Muhammed was the founder of Islam

To know that the Islamic golden age occurred between the 8<sup>th</sup> and 14<sup>th</sup> centuries and compares in time the dark ages in Britain

To know the major achievements of the Early Islamic Civilisation in mathematics. Geometry, astronomy, geography and science and how they affect us today

To know that the Golden Age ended with the siege of Baghdad by the Mongol empire.

## Art and Design

**Early Islamic Civilisation – Sticky knowledge**

Demonstrate a secure knowledge about primary and secondary, warm and cold, complementary and contrasting colours.

Know how to research the work of an artist and use their work to replicate a style.

Contrasting and complementary colours.

Understand key vocabulary: repeating pattern, geometric, Adapt their work according to their views and describe how they might develop it further. Record from first hand observation, imagination and experience. Use a range of tools and techniques with increasing mastery.

## Design and Technology

**Bridges (Structures) - Sticky Knowledge:**

To know the design of different types of bridges: cable-stayed; truss; beam, arch, suspension and cantilevers

To know ways of strengthening structures: choice of material; layering up, triangular corners; joists and braces; types of join.

## Geography

**What are rivers and where do they come from? – Sticky Knowledge**

To know the names of some of the UK and world's most significant rivers.

To know that the water cycle is the process which moves water around our Earth and to be able to name and describe each part of the cycle.

To know and understand the course and key features of a river using geographical language.

To know causes of river pollution and the effect it has on the environment.

## Computing

**Creating Media: Vector Drawing- Sticky Knowledge:**

Vector drawings are made of simple shapes and lines.

Each element of a vector drawing is called an object.

Objects are created in layers and moved forwards or backwards. Objects can be resized, moved, grouped and duplicated

**Programming: Selection in quizzes - Sticky Knowledge:**

Conditions control the flow of action in an algorithm

Selections are where a decision must be made

if... then... else... commands can be used to create different actions

if... then... else... commands can be used to create branching databases

Know how to improve designs and programs.

## Music

**Music Technology** - consolidate prior learning by using texture, use of dynamics and audio effects to create pieces in Bandlab Education.

**20<sup>th</sup> Century Music-** learn the key features of Jazz, Expressionism and Film music. Pupils will select at least one key feature from each genre as a basis for their own 20th Century-style composition.

## PSHE

**Drugs Education- Sticky Knowledge:**

Know that some drugs are legal (but may have laws or restrictions related to them) and other drugs are illegal.

Know how to ask for help from a trusted adult if they have any worries or concerns about drugs.

Know how drugs common to everyday life (including smoking/vaping – nicotine, alcohol, caffeine and medicines) can affect health and well-being.

**What jobs would we like? - Sticky Knowledge:**

Know that there are no barriers to jobs based on gender or other protected characteristics.

Know about academic and vocational career paths.

## Religious Education

**What would Jesus do? (Christianity) - Sticky Knowledge:**

Christians believe Jesus challenges everyone about how to live — he sets the example for loving God and your neighbour, putting others first.

Christians believe Jesus challenges people who pretend to be good (hypocrisy) and shows love and forgiveness to unlikely people.

Christians try to put his teaching and example into practice in lots of ways, from church worship to social justice

**What matters most to Humanists and Christians? Sticky Knowledge:**

Explain the connections between Christian and Humanist.

Give some reasons why it might be helpful to follow a moral code and why it might be difficult, offering different points of view.

## PE

Striking and Fielding Games

Net and Wall Games

Athletics