Enquiry Curriculum Map

This map shows areas of study for Year 5 and gives you a flavour of the questions we will be investigating. Within each area the learning and expected outcomes will be scaffolded appropriately for your child.

**Scientists**

As scientists, we will explore the properties and changes of materials, by comparing and grouping together everyday materials based on their properties; knowing that some materials will dissolve in liquid to form a solution. We will use knowledge of solids, liquids and gases to decide how mixtures might be separated and give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials. We will demonstrate that dissolving, mixing and changes of state are reversible changes and explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible.

**Engineer**

Using D&T skills, we will investigate and analyse a range of existing products, considering why new materials have been invented. We will establish a ranking based on the suitability of each material for different locations (wet/dry/day/night). We will then design our own invention of an item that can be used to help homeless people and evaluate our ideas and products against our own design criteria.

We will also consider the views of others to improve our work; understand how key events and individuals in design and technology have helped shape the world.

**Mathematician**

Our focus will be multiplication, division, and fractions.

In multiplication and division, we will look at multiples, factors, common factors, prime, square and cubed numbers. Also multiplying and dividing by 10,100 and 1000.

In fractions, we will explore:

Equivalence, improper and mixed numbers and those greater than 1.

**Timetables:**

Spend 5 minutes every day on TTRs. Also, practise the 9 times table if secure any tricky timetables.

Our focus is the 8 times table.



**Computers**

We will be focusing on: **Programming.**

Selection in physical computing Exploring conditions and selection using a programmable microcontroller.

**Philosopher : RB**

We will be asking the following question: Is it better to express your religion in arts and architecture or charity and generosity?

Looking in terms of Islam, Christianity and Humanism.

**Philosopher : PSHE**

We are focusing on a holistic approach to mental and physical health taught through a specialist Bristol flyers health squad programme.

**Athlete**

Our PE focus will be Gymnastics and basketball (taught by Bristol Sport PE coaches),

These are to take place on Tuesdays both am and pm.

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# Enquiry Question:

**How can science help the vulnerable?**

# Term: 3

# Year Group: 5

**Author**

We will be using 2 beautifully illustrated books called ‘How to live forever’ and ‘The Promise’ to revisit grammar and punctuation skills previously taught and to learn new ones. We will focus on subordinating clauses and embedded clauses. We will use possibility adverbs to persuade. We will continue to focus on improving handwriting, punctuation, writing in paragraphs and editing our work. We will write in a range of styles to inform, persuade and describe.

**Linguist**

Continuing to learn Spanish with a focus on: **Finding your way around town.**

Places in the local area and simple directions. Describing a route to school. Interesting places in Spain to visit.

**Musician**

Children will be introduced to song writing. They will listen to and analyse the structure and key features of a range of songs, before having a go at creating a simple song of their own.