

**Year 5**  
**Spring Term**  
**What will we learn this term?**

**English**

Our English work this term is linked to our Geography, Sow, Grow and Farm, project. We will be writing for a range of different purposes this term, which will include:

**Non-Chronological report** - write a non-chronological report about an aspect of allotments. To employ a range of cohesive devices

**Diary** – write a factual or dramatic diary entry from the point of view of a UK farmer

**Leaflets** – write a leaflet to persuade families to buy fair trade produce. To use relative clauses to give more information.

**Balanced argument** – write a balanced argument about a chosen farming topic. To use a range of cohesive devices.

Our whole class text that we will be reading is called “The Secret Garden” by Frances Hodgson Burnett. This story is about a girl called Mary, whose parents died and she is sent to live with her uncle. She must discover the secrets of his estate and bring a garden back to life in order to gain her own happiness and save the life of her cousin. The children will be using predicting, clarifying, questioning, summarising and activating prior knowledge to understand the text.

**Maths**

**Fractions**

This chapter develops pupils' ability to handle more diverse problems involving fractions, including dividing and multiplying fractions by whole numbers.

**Decimals**

In this chapter, pupils explore decimals. To begin this chapter, they learn to read and write decimal numbers. This is followed by comparing decimal numbers to find out which is greater, and which is smaller. Pupils then add and subtract decimals before turning decimals into fractions.

**Percentages**

This chapter covers the expectations in Year 5 for percentage. It begins with comparing quantities and exposing percentage as an amount out of 100.

**Geometry**

This chapter on geometry in Year 5 explores angles: measuring angles, the investigation of angles on a line/point and drawing angles, before moving onto using angles as a descriptor for common shapes.

**Science**

**Human Reproduction and Aging**

This project teaches children about animal life cycles, including the human life cycle. They explore human growth and development to old age, including the changes experienced during puberty and human reproduction.

**Computing**

**Programming A – Selection in physical computing**

In this unit, learners will use physical computing to explore the concept of selection in programming through the use of the Crumble programming environment. Learners will be introduced to a microcontroller (Crumble controller) and learn how to connect and program it to control components (including output devices — LEDs and motors).

**Data and information – Flat file databases**

This unit looks at how a flat-file database can be used to organise data in records. Learners will use tools within a database to order and answer questions about data. They will create graphs and charts from their data to help solve problems. They will also use a real-life database to answer a question, and present their work to others.

**History**

**Geography**

**Sow, Grow and Farm**

This project teaches children about the features and characteristics of land use in agricultural regions across the world, including a detailed exploration of significant environmental areas.

## Art

### Lines, Light and Shadows

This project is linked to Sow, Grow and Farm. This project teaches children about the visual qualities of line, light and shadow. They explore the work of Pablo Picasso and Rembrandt and are introduced to a range of shading techniques. They take black and white photographs and use pencil, pen and ink wash to reimagine their photographs in a shaded drawing.

## Design Technology

### Eat the Seasons

This project is linked to Sow, Grow and Farm. This project teaches children about the meaning and benefits of seasonal eating, including food preparation and cooking techniques.

## PE

### 5A & 5L - Tuesday

#### Gymnastics – Counter Balances and Counter Tension

The unit of work will focus on exploring Counter Balance and Counter Tension balances on the floor and on apparatus. Pupils will create sequences by consistently applying flow and challenging their creativity. Pupils will focus on the various ways they can construct the sequence and link the balances with movements.

#### Basketball

The unit of work will challenge pupils to apply their prior learning of passing and moving and dribbling to create attacks that result in a shooting opportunity. Pupils will be able to develop tactics for both attacking and defending and apply these successfully within their team.

## RE

### Being Open, Honest and Truthful

### Being Attentive to the sacred as well as the precious

### Participating and willing to lead

### Being Modest and Listening to others

## PSHE

### Dreams and Goals

Aspirations, how to achieve goals and understanding the emotions that go with this

### Healthy Me

Being and keeping safe and healthy

## Music

Year 5 will have the opportunity to continue their musicianship lessons with the RBC and will be able to build on the skills previously learn, including music appreciation, reading music and composition.