



## How do we solve problems using design?

Our design and technology project focuses on British farming. After being introduced to the world of farming by our expert, the children will create a scaled drawing of cow barn to improve cattle health and living conditions whilst following a given specification and farming regulations.

Furthermore, using their knowledge of mechanisms and structures, the children will be designing, making and evaluating a crane prototype to solve a farmer's problem.

**Concepts: innovation, progress, tenacity**

**Expert and visitor:**

Farmer Kiley from Boydells Farm  
(Visit date to be confirmed)



## Year 5 Spring Term (2)

### English:

#### **Fiction:** *The Nowhere Emporium*, Ross Mackenzie

This English unit is based on the incredible novel written by Ross Mackenzie. They will explore the impact of literary devices through their creative writing, then they will apply these when planning and writing their own ending.

#### **Poetry:** *Behind my door*,...

Inspired by the famous poem 'The Magic Box' by Kit Wright, the children will use their imaginations to create a poem called 'Behind my door' using figurative devices and powerful language to take the reader on a magical journey into their minds and beyond.

### Skills:

- Relative clauses
- Figurative language (similes, metaphors and personification)
- Emotive vocabulary choices (word classes)
- Dialogue
- Modal verbs
- Prepositions
- Juxtaposition
- Ellipsis
- Parenthesis (using brackets, commas and dashes)
- Dashes for after-thoughts
- Semi-colons

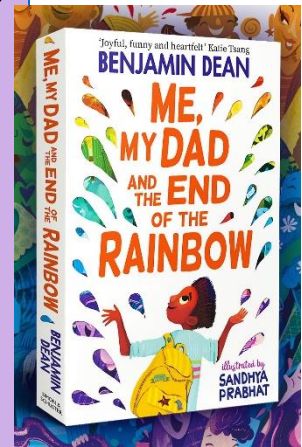
### Maths:

- Place value of decimals up to 3 decimal places
- Ordering and comparing decimals
- Rounding to the nearest integer and one decimal place
- Equivalent fractions, decimals and percentages
- Calculating area and perimeter
- Interpreting line graphs and two-way tables

### Guided Reading: *Me, my dad and the end of the rainbow*

We will be learning the following reading skills:

- Retrieving information.
- Making inferences using evidence from the text to support answers.
- Commenting on author's choice of language.
- Summarising texts.



### Science: *Animals including humans and life cycles*

Pupils will be taught to:

- Describe the changes as humans develop to old age.
- Describe differences in the life cycles of a mammal, an amphibian, an insect and a bird.