



Beech Class
Mr Brown
Curriculum Information
Spring 2022

PE

Both our sessions will be indoor PE this term. On Thursdays the children will be taking part in gymnastics led by Mr Andrews and Mr Martin and then on Fridays the class will do dance.

Maths

Decimals:

- Recognising numbers to 3 decimal places,
- Multiplying and dividing decimals.
- Converting between decimals and fractions.

Percentages:

- Converting between fractions, decimals and percentages.
- Ordering fractions, decimals and percentages.
- Finding percentages of amounts.

Algebra:

- Using simple formulae
- Finding pairs of numbers to complete an equation with two unknowns.
- Using the inverse operation to find unknowns.
- Record missing number problems algebraically.
- Finding all possibilities of the combinations of two variables.
- Create and describe linear number sequences.

Converting units of measurement:

- Converting between metric measurements.
- Calculating with metric measurements.
- Converting between metric and imperial measurements.

Perimeter, area and volume:

- Calculating perimeter and area of rectilinear shapes.
- Calculating area of triangles.
- Calculating area of parallelograms.
- Calculating volume of cuboids.

Ratio

- Solving problems involving shapes where scale factor is known or can be found.
- Solving problems involving unequal sharing and grouping, using knowledge of fractions and multiples.

Topic

Through our topic sessions the following questions (and many more) will be answered...

- Who was Queen Victoria?
- Which famous inventions came from the Victorians?
- What was the Industrial Revolution?
- How did the Victorians respond to the new railways?
- What was life like for working Victorian children?
- How did Lord Shaftsbury improve the lives of Victorian children?
- What were Victorian schools like?
- What kind of clothes did the Victorians wear?

Personal and Social Development

In PSHE the children will learn about diversity and community for the first half term and then move onto drug education after half term.

In RE we will discuss Christian beliefs and meanings and then focus on Easter.

This term's topic is:

Victorians

Science

This first half term we will focus on Electricity where we shall associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit, compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches and use recognised symbols when representing a simple circuit in a diagram. After half term we will learn about Light where we shall recognise that light appears to travel in straight lines, use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye, explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes and use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

Creative development

In Computing the children will discover how barcodes and QR codes work, how infrared waves are used for the transmission of data while recognising the uses of RFID as well as gathering, analysing and evaluating data collected from RFID data collection points.

In DT we will look at pictures of local Victorian watermills still in use today (Houghton Mill) then plan and make our own water mill using cogs.

The class will use pencils and inks in Art to work on line, pattern and depth composition as we look at the golden age of illustration.

In Music the children will use & develop listening skills to analyse music and improve composition work. They will compose music that reflects development of ideas (growth), notation, more complex rhythms and time signatures (5 beats in a bar).

English

This term we will be using stories set in the Victorian period to help inspire our writing. These novels include: Wild Boy, Darwin's Dragon, Oliver Twist and Cogheart. We will also use a range of non-fiction texts and read poems to capture the children's interests. The class will engage in a wide range of writing genres such as narratives, character and setting descriptions, explanations, recounts in the form of diaries, informal letters or autobiographies, formal report writing or letters, persuasive writing, balanced arguments and poetry. Throughout the term we will gradually introduce new grammatical skills, generate more challenging spellings, encourage exciting vocabulary choices, support the children in developing their editing skills and promote a legible and fluent handwriting style.