DESIGN AND TECHNOLOGY

To select from and use a wider range of materials and components.

To use electrical systems in our products.

* Burglar alarm

SCIENCE

To plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.

* Electricity – investigate the brightness of bulbs, loudness of buzzers and give reasons for variations.
* Light – understand how light travels and how this helps us to see.

ENGLISH

Biography –to recognise features of this genre before writing a biography about an important scientist.

Narrative – writing a story using ‘The Journey’ as our inspiration.

Fact file – researching and presenting facts about the life and discoveries of important scientists in history

HISTORY

To develop a chronologically secure knowledge and understanding of British history. A significant turning point in British History.

* How electricity impacted the world.





**Into the light**

**Autumn 2020**

**Mulberry and Chestnut**

MATHS

**Number and Place Value**

Read, write, order and compare numbers up to 1,000,000 and determine the value of each digit. Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000. Use negative numbers in context, and calculate intervals across zero. Solve number and practical problems that involve all of the above.

**Addition and Subtraction**

Solve addition & subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

**Multiplication and Division**

Identify common factors, common multiples and prime numbers. Multiply multi-digit number up to 4 digits by a 2-digit number using the formal written method of long multiplication. Divide numbers up to 4 digits by a 2-digit number using the formal written method of short division, interpreting remainders according to the context. Perform mental calculations, including with mixed operations and large numbers. Use their knowledge of the order of operations to carry out calculations involving the four operations.

Solve problems involving addition, subtraction, multiplication and division.

Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy.

PSHE

* E-safety
* Relationships
* Anti-bullying week.



MUSIC

**Appreciate and understand a wide range of music.**

**Listen with attention to detail and recall sounds with increasing aural memory.**

PE

To play competitive games, to develop flexibility, strength, technique, control and balance.

* **Basketball**
* **Football**
* **Hockey**
* **Dance**

COMPUTING

To design, write and debug programs that accomplish a specific goal.

* E-safety
* Animated stories
* Spreadsheets

RE

* Buddhism-festival of Wesak.
* Judaism- Festival of Rosh Hashana
* Comparing these festivals with the Quaker faith

FRENCH

To develop accurate pronunciation and intonation

To broaden their vocabulary and develop their ability to understand new words that are introduced.

* **To learn words associated with school. To use pronouns and preposition.**