

Maths – Fractions, Decimals and Percentages/Area and Perimeter

- recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- read, write, order and compare numbers with up to three decimal places
- round decimals with two decimal places to the nearest whole number and to one decimal place
- read and write decimal numbers as fractions (e.g. 0.71 = $\frac{71}{100}$)
- recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- recognise the per cent symbol (%) and understand that per cent relates to “number of parts per hundred”, and write percentages as a fraction with denominator 100 as a decimal fraction
- solve problems involving numbers up to three decimal places solve problems which require knowing percentage and decimal equivalence
- measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres calculate and compare the area of squares and rectangles including using standard unit

We will also be applying our knowledge of the curriculum taught so far to improve our reasoning and problem solving skills.

English

Reading Comprehension – Class Novel – Cosmic

- continuing to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks
- drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
- predicting what might happen from details stated and implied
- summarising the main ideas drawn from more than 1 paragraph, identifying key details that support the main ideas
- identifying how language, structure and presentation contribute to meaning
- retrieve, record and present information from non-fiction

Writing – Non-Chronological Report and a Letter to Persuade

- identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
- proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning
- using modal verbs or adverbs to indicate degrees of possibility
- using relative clauses beginning with who, which, where, when, whose, that or with an implied (ie omitted) relative pronoun
- using brackets, dashes or commas to indicate parenthesis
- using further organisational and presentational devices to structure text and to guide the reader

PSHE

- Healthy Me (JIGSAW scheme)

**SPRING TERM 2
The Earth**



Computing

Coding

- Use logical reasoning to explain how increasingly complex algorithms work to ensure a programs efficiency.
- Design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated.
- Design write and test simple programs with opportunities for selection, where a particular result will happen based on actions or situations controlled by the user

Science

Properties and changes of materials

- I will compare and group materials based on their properties (e.g. hardness, solubility, transparency, conductivity (electrical and thermal) and response to magnets).
- I will describe how a material dissolves to form a solution, explain the process of dissolving.
- I will describe and show how to recover a substance from a solution.
- I will demonstrate how materials can be separated (e.g. through filtering, sieving and evaporating).
- I will know and demonstrate that some changes are reversible and some are not.
- I will explain how some changes result in the formation of a new material and that this is usually irreversible.
- I will discuss reversible and irreversible changes.
- I will give evidenced reasons why materials should be used for specific purposes.

Geography

The Earth

- Locate the Equator, Northern Hemisphere, Southern Hemisphere North and South pole on a map.
- Identify the lines of longitude and latitude on a map.
- Identify the Arctic and Antarctic circles on a map.
- Identify the tropics of Cancer and Capricorn.
- Identify differences between the UK and the tropics.
- Identify the location of the prime meridian.
- Find the local time in another city using time differences.

DT

Mechanisms

To know why it is important develop more than one design or adaptation of an initial product.
To critically evaluate the quality of the design, manufacture and purpose of their products as they design and make.
To select appropriate tools.
To select appropriate materials.
To evaluate product and ideas against design criteria.

MFL
Body Parts
Mon Corps

Music

Charanga Scheme

RE

Easter - Victory

PE

- 5W –
- 5S - Swimming