

## Year 4 Knowledge Organiser – Autumn term 1

### Maths –

Round numbers to the nearest 10 and 100  
Add and subtract using formal written methods  
Add and subtract using an efficient method  
Convert between different units of measure [e.g. kilometre to metre; hour to minute]

Read, write and convert time between analogue and digital 12- and 24-hour clocks

Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

Divide numbers up to 3 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context

### Writing

We will be using the book 'Bill's New Frock' by Anne Fine to write a sales pitch for a new dress, and a diary recount from the point of view of Bill. We will carefully at how language, structure, vocabulary, grammar and presentation contribute to meaning.

### Grammar

Use fronted adverbials (adverbs, phrases and subordinates clauses)

Use commas after fronted adverbials

Organise paragraphs around a theme Build cohesion within paragraphs

Use the possessive apostrophe for plurals

Know the difference between standard and non standard English.

### Spelling

To spell the words from the year 3 and 4 list

To use the first 2 or 3 letters in a word to check its spelling in a dictionary

To recognise and spell homophones

To spell words with a prefix or a suffix

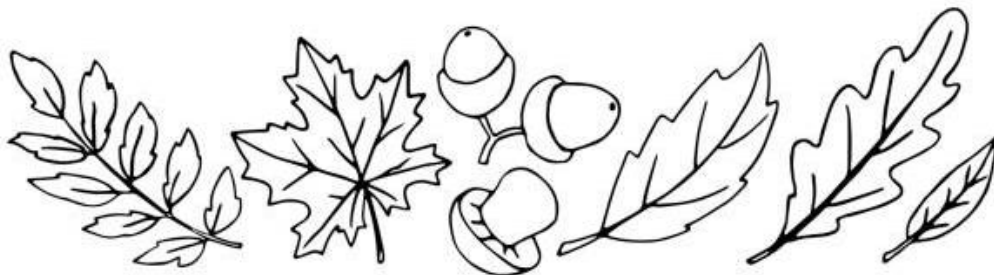
### Reading

To develop positive attitudes to reading

To make reasoned predictions of what might happen

To understand a character's behaviour and motives

Infer characters' feelings thoughts and motives and justify using evidence



**RHE**  
**RELATIONSHIPS**

Respect for self and others; courteous behaviour; safety; human rights

How do we treat each other with respect?

**DT**

Design, make and evaluate a Christmas 'light up' card.

-Use understanding of electrical systems (series, circuits, switches, bulbs, motors)

**RE**

Give examples of rules for living from religions and suggest ways in which they might help believers with difficult decisions (B1).  
Make connections between stories of temptation and why people can find it difficult to be good (A2).  
Discuss their own and others' ideas about how people decide right and wrong (C3).

**Spanish**  
**Celebrations**

-listen, understand and join in with spoke language  
-develop accurate pronunciation  
-understand new words using a dictionary  
-use a range of nouns, using masculine, feminine and plural terms  
use adjectives to describe nouns  
Use commas and the conjunction 'y' (and) and 'pero' (but) to link phrases, including three nouns

**Computing**

**Coding**

-Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts  
-Use sequence, selection, and repetition in programs; work with variables and various forms of input and output  
-Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

**PE**- Swimming/Football

**Science**

Identify and name appliances that require electricity to function  
Construct a series circuit  
Identify and name the components in a series circuit (including cells, wires, bulbs, switches and buzzers)  
Predict and test whether a lamp will light within a circuit  
Know the difference between a conductor and an insulator; giving examples of each

**Music**

To sing in unison and in simple two-parts.  
To demonstrate a good singing posture.  
To follow a leader when singing.  
To enjoy exploring singing solo.  
To sing with awareness of being 'in tune'  
To rejoin the song if lost.  
To listen to the group when singing.

## **History**

Know about, and name some of the advanced societies in the world about 3000 years ago

Know that the Ancient Greeks invented a range of things, including democracy, the theatre and the Olympics

To read a range of Greek myths

To understand the Ancient Greek's belief in Gods and Mount Olympus