

**Maths – Addition and Subtraction/Multiplication and Division**

- add and subtract numbers mentally with increasingly large numbers add and subtract whole numbers with more than 4 digits, including using formal written methods
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- multiply and divide numbers mentally drawing upon known facts
- multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
- multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
- divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
- identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.
- know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers:
- establish whether a number up to 100 is prime and recall prime numbers up to 19
- recognise and use square numbers and cube numbers, and the notation
- solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign
- solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates

**English**

Reading Comprehension - Class Novel – Street Child and Range of Poetry

- continuing to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks
- reading books that are structured in different ways and reading for a range of purposes
- asking questions to improve their understanding
- 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
- discuss and evaluate how authors use language, including figurative language, considering the impact on the reader
- retrieve, record and present information from non-fiction
- learning a wider range of poetry by heart

Writing – Biography and Poetry (Oracy)

- using expanded noun phrases to convey complicated information concisely
- use a range of fronted adverbials
- using modal verbs or adverbs to indicate degrees of possibility
- using a wide range of devices to build cohesion within and across paragraphs
- identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
- using modal verbs or adverbs to indicate degrees of possibility
- using brackets, dashes or commas to indicate parenthesis

**History**

The Victorian Era

- I know where to place the Victorian period in time in relation to other periods of British history
- I know during the Victorian Age there was rapid change and developments in Britain
- I know popular authors like Charles Dickens help us learn about this era
- I know 5 facts about the life of Queen Victoria
- I know why Victoria was called the Grandmother of Europe
- I know Victorian society was divided into nobility Upper Class, Middle Class and Working Class
- I know the differences between the life of the rich and that of the poor
- I know Prince Albert is responsible for shaping how Christmas is celebrated
- I know many Christmas traditions were introduced by the Victorians
- I know steam powered engines were invented during this era
- I know during this era there was a rapid growth in factories and mass produced goods
- I know some of the inventions during the Victorian age and the importance of them

**AUTUMN  
TERM 2  
The Victorians**



**PE**

Sport – Dance  
Fitness – Yoga

**RE**

Christmas theme  
(Peace)

**PSHE**

Jigsaw – Celebrating  
Difference

**Computing**

Using Computer and  
Net Searching

**Music**

Charranga  
Genre - Rock

**Science**

Forces

- I will explain what gravity is and its impact on our lives.
- I will identify and explain the effect of air resistance.
- I will identify and explain the effect of water resistance.
- I will identify and explain the effect of friction.
- I will explain how levers, pulleys and gears allow a smaller force to have a greater effect.

**DT**

Textiles

I know that decorations may have different purposes  
That market research informs design decisions  
Different sewing techniques join two pieces of material together.  
Pin and tack means to hold the fabric together.  
I can use a range of media to create different 2D pattern pieces.  
A pattern piece is a template used in sewing. Seam allowance is the area between the fabric edge and the stitch – usually 1.5cm.  
I can develop prototypes  
I know how to plan a sequence of work which could be read by somebody else.  
A template is used as a guide when sewing a product.  
material/a pattern .  
To use a glue gun safely.