

## Mathematics Mastery

2-D and 3-D shape

- Classify 2-D shapes and reason about regular and irregular polygons
- Classify 3-D shapes and make 2-D representations of them

Volume

- Use cube numbers and notation
- Estimate and convert units of volume

Problem solving

- Negative numbers and calculating intervals across zero
- Investigating numbers: consecutive, palindromic, multiples

## English

Our class text this term will be 'Clockwork,' by Phillip Pullman. In our reading lessons each week, we will focus on an extract and use it to build new vocabulary, improve our reading fluency, locate information at speed, and give extended responses using the RACE structure.

We will also be using the text as inspiration to write a character description. We will be focusing on using figurative language, writing dialogue to develop characters, and using both the perfect tense and the subjunctive mood. In our second unit, students will be writing explanation texts with the purpose of advertising their inventions to an investor using rhetorical devices.

## Science- Growing Older

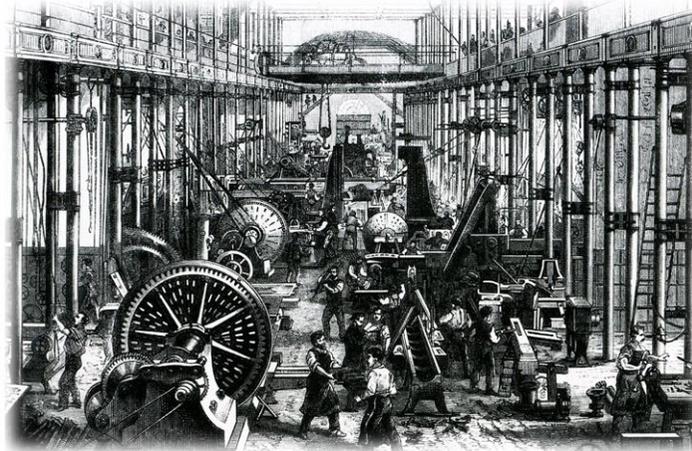
This term we will develop our scientific vocabulary to explain how humans grow and change throughout the human lifecycle. This includes exploring the development of babies and children. This unit also includes an introduction to what puberty is and changes experienced in old age. Students will build on their current knowledge of the human body and its processes and functions.

## Expressive Arts

In Design and Technology this term, pupils will investigate and analyse a range of existing products. They will then use gears and cams to design and build their own moving toy.

Pupils will also have weekly ukulele and singing lessons, focusing on developing an understanding of pitch and rhythm. By the end of the term, they will put all of their musical talents together and create a class performance piece.

## This term we are asking What were the positive and negative aspects of the Industrial Revolution?



## Home Learning

Each weeknight, pupils must read their independent reading book aloud (at least 15 minutes) before filling in their reading log.

Each week, students will be sent a research question to explore. They can show their learning however they wish. This question will be posted on Seesaw for students to respond to.

A new spelling list will be posted on Seesaw each week. Pupils should practise spelling words during the week to prepare for the Friday quiz. On Friday, they will bring home their score.

Students are also encouraged to go on mathletics to complete activities and earn points!

## Social Emotional Learning

In PSHE, we will continue to use the Jigsaw scheme, which integrates personal, social, health and economic education with an emphasis on emotional literacy.

Additionally, students will continue to use 'The Peace Pathway' to support recognising emotions and to develop their skills in conflict resolution.

## Humanities – Industrial Revolution

This term, Obama class will answer the driving question: What were the positive and negative aspects of the Industrial Revolution? This unit will extend pupils' chronological knowledge of British history beyond 1066. We begin by outlining the major causes of the Industrial Revolution and then we explore each cause in depth. Students will learn that the Industrial Revolution came at a deadly cost, that the great technological advances that helped shape the world we live in today depended largely on the institution of slavery and the terrible treatment of the working class.

## Sports, Health and Fitness

In our Young Olympians unit, pupils will develop their skills in running, jumping, throwing and catching, competing against themselves to achieve their personal bests. They will also engage in 'Cool Core' fitness, where they will learn and practise a variety of yoga poses to develop flexibility and control.

## French

In this unit, students will learn how to state key facts about common habitats and what different plants and animals need to survive in their environments in French.

## ICT

Using the Purple Mash curriculum, pupils will:

- Use formulae within a spreadsheet to convert measurements of length and distance
- Use spreadsheets to support planning their business for the Summer Fair.

