

**Ingenious Inventions**

## In English, we will be…

* Reading and analysing a range of biographies on famous inventors, focusing on Thomas Edison
* Reading a range of explanation texts
* Writing biographies and explanation texts with a focus on:
	+ Writing for a purpose and awareness of the reader
	+ Using correct genre features
	+ Using correct punctuation
	+ Using a variety of sentence structures including fronted adverbials and subordinate clauses (Y4) and parentheses and relative clauses (Y5)
	+ Using cohesive devices including conjunctions and adverbials
* Developing our skills of planning, self-editing and evaluation

## In our ‘English Grammar, Punctuation and Spelling’, we will be…

* Practising the statutory spellings for our year groups
* Spellings words with different prefixes, suffixes and identifying the root word
* Spelling tricky words/GPCs (grapheme-phoneme correspondence)
* Learning about the verb tenses (simple, progressive and perfect forms), parentheses punctuation, adverbials, hyphens and clauses (Y5)
* Learning about using apostrophes for contractions and possession and understanding plurals
* Learning about linking ideas across paragraphs using cohesive devices such as conjunctions, adverbials

## In Mathematics, we will be…

* **Place Value:** Partitioning numbers in different ways;rounding numbers (and decimal numbers Y5)
* **Calculations:** Practising mental strategies; securing formal written methods for addition and subtraction; using models to reason appropriately; developing multiplication and division strategies and reasoning with multi-step solutions
* **Position and direction:** Drawing, translating and reflecting simple shapes on a coordinates plane
* **Measure:** Solving time and timetable problems
* **Geometry:** Identifying angles and reasoning about them (Y4); Drawing and measuring angles using a protractor (Y5)

## In Science, we will be…

* Learning about electricity

## In PE, we will be…

* Practising our striking and fielding skills when playing cricket
* Focusing on athletics skills

## In Geography, we will be…

* Learning about renewable energy and natural resources

## In D.T., we will be…

* Designing, experimenting, making and evaluating an electrical system
* Exploring cams and creating a simple mechanical structure (completing from last term)

## In PSHCE, we will be…

* Learning about equality, protected characteristics and discrimination

In Music, we will be…

* Starting to learn the songs for our end of year production

## In R.E., we will be…

* Understanding the concept of ‘good and evil’ through the Hindu celebration of Diwali

## In Computing, we will be…

* Creating PowerPoints about Thomas Edison aimed at a younger audience

**Science vocabulary:**

*electricity, mains, battery, power source, circuit, lamp, wire, crocodile clips, resistor, insulator, cell, motor, conductor, insulator, switch, battery, buzzer, series, parallel, voltage, current, etc.*