

### Maths

- Properties of shape
- Decimal numbers
- Calculating with decimals
- Money
- Problem solving involving decimals
- Adding and subtracting fractions
- Finding fractions of quantities
- Equivalent fractions, ordering and comparing
- Multiplication and division of 2 digit and 3 digit numbers by 1 digit numbers using formal written layouts

### History

Life, times and inventions of Thomas Edison. The Eiffel Tower. Research and enquiry skills. Investigating changes over time.

### French

Food and at the café. Linked to History and Geography. Describing ourselves.

Our overarching theme is Ingenious Inventions. We will be looking at three books over the term: *The Iron Man* by Ted Hughes, *The Invention of Hugo Cabret* by Brian Selznick and *Blackout* by John Rocco.

## Ingenious Inventions

### Year 4 Spring Term

### Science

#### *Circuits and components*

Exploring how electricity is generated, conductors and insulators, making circuits and switches.

#### *Sounds and vibrations*

How sounds are made, how sound travels, recognise that sounds get fainter as the distance from the sound increases.

### Geography

Using maps and the eight points of a compass. Physical features including earthquakes. Studying the human and physical features of a European country, looking at Paris.

### Computing

Bringing images to life – using a range of animation techniques. Developing communication – digital and electronic communication.

### PSHE

Looking at Dreams and Goals. Following the Jigsaw PSHE scheme.

### Music

Exploring melodies and scales. How music paints a picture and creates a mood.

### English

Continuing to focus heavily on spelling and grammar use. Using the three texts to explore:

- Instructions
- Story openers
- Characterisations
- Expressing alternative viewpoints
- Persuasion
- Expanded noun phrases to add detail
- Use of commas after fronted adverbials

### RE

Taught as a one week block. Creation stories and places of worship in Christian and Hindu religions.

### Art and Design

The work of George Seurat (pointillism). Designing and making a working light.