White Cliffs Primary School

**Topic Title: A Force To Be Reckoned With**

**Year Group: 5**

**Term: 2**

### English

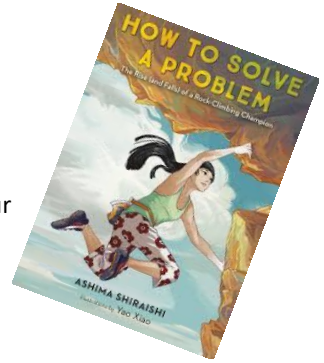
We start the term by looking at persuasive writing and focus on the features within adverts and letters for a climbing activity centre. We move into narrative writing later on in the term linked to 'How to Solve A Problem' and learn to develop atmosphere and mood within a setting description.

### Maths

We will be learning about decimals and how to round, order and calculate with them. We will also learn how to plot co-ordinates and translate shapes on co-ordinate grids, as well as how to convert time units and calculate time intervals.

## Mountains


We will be learning about mountains as physical geographical features (as well as figurative obstacles to overcome). We will learn about the different types of mountains and how they are formed, how to read contour lines on maps and how to plot the contours of a potato-mountain on a map.




### Forces

In Science, Year 5 will be learning about forces and mechanisms. We will learn how mechanisms can be used to exert a greater force on the load, linking to levers, pulleys and gears and further our understanding by building a toy with a cam mechanism with our DT links.

### Design Technology

We will be linking the Design Technology work this term with our work in Science by building our own cam mechanisms. We will begin the design process by researching toy design and developing designs of our own before building a toy with a moving part out of wood.

We will also be taking part in an Act of Remembrance on Remembrance Day, giving all our efforts to succeed in the Children In Need Pudsey Challenges set by School Council and preparing for Christmas by making felt and screen-printed decorations on our traditional Christmas Craft Day.

## Key Vocabulary

**Where?**

| | | |
|---|---|---|
| continent | country | mountain range |
| peak | slope | ascent |
| descent | | |

**When?**

| | | |
|---|---|---|
| meanwhile | beforehand | Nativity |
| Christmas | Advent | series |

**What like?**

| | | |
|---|---|---|
| rotary | reciprocal | determined |
| resilient | skilled | controlled |
| balanced | persuasive | eye-catching |

**Who?**

| | | |
|---|---|---|
| mountaineer | climber | scientist |
| engineer | mechanic | Jesus |
| disciples | dancer | |

**How?**

| | | |
|---|---|---|
| writing | analysing | comparing |
| observing | experimenting | investigating |
| working scientifically | collecting data | |

**What?**

| | | |
|---|---|---|
| mountain | peak | mechanism |
| cam | axle | handle |
| rotation | centre | fulcrum |