



# Year 6—Mountains

## Essential knowledge

By the end of this unit children will:

Use the index in an atlas to find mountains. • Tell you the country a mountain range is found in. • Describe what a hill might look like based on its contours. • Identify an outcrop, a ridge the tree line and the snow line. • Describe how fault lines in the Earth's crust move to create mountains. • Describe how pressure from magma under the Earth's surface creates dome mountains. • Explain the differences between a weather forecast and climate. • Identify similarities between mountain climates. • Identify the risks associated with a mountain climate. • Describe some of the positive effects of tourism on an area.

### Sensational Start

Cardboard contours:

We will be creating our own mountains, helping pupils learn how hills and valleys are represented on OS maps, through the use of contour lines.

### Extraordinary Extra

Outdoor Learning:

Expedition  
linked to Shackleton's  
Journey

### Fabulous Finish

Field Work:

OS Grid references and  
orienteering.  
Compass treasure hunt.

Key dates:

Class Photos—23/02

Parent's Evening—  
27/02 and 28/02

Science Week—13/03

PE days:

Fields:

Tuesday & Wednesday

Hillary:

Tuesday & Thursday

Chandi:

Wednesday & Friday

Core Subjects:  
Links to theme

Magnificent Mountains—Theme Content—National Curriculum links

English

Key Texts

The Dreadful Menace  
Shackleton's Journey

Maths

Ratio  
Algebra  
Statistics

Science

Light:

Science this half term is all about Light. We will be building upon the Electricity work from last half term, focusing on how light travels, how we see, reflection, refraction and shadows.

Foundation Subjects

Geography

Use maps, atlases, and globes locate UK and world mountain ranges.

To describe and understand key aspects of physical geography in the context of mountains..

To explain how different types of mountains are formed.

Computing

**Code Breaking—  
Bletchley Park.**

We will learn about secret codes, brute force hacking and the importance of Bletchley Park in WW2.

RE

Christianity

We will be exploring the question

“What does it mean for Christians to know that God is holy and loving?”

Music

**Dynamics, Pitch and  
Texture.**

We will appraise the work of Felix Mendelssohn, learn to improvise using dynamic, pitch and texture and then create a group composition.

Art and Design Unit

**Kandinsky**

We will learn about the work of the artist Kandinsky, practise our painting skills and create our own mountainous landscape.

DT Day

**Electrical Systems:**

**Steady Hand Game**

Understand what is meant by fit for purpose design and form follows function. Design and develop a steady hand game using a series circuit, including housing and backboard.

French

**Planning a French Holiday.**

We will begin to use the future tense and describe a holiday.

PE

Sports Education  
Gymnastics

RSE & British Values

Healthy Me  
Mutual Respect