

## English including Grammar

**Classic Text:** *Treasure Island* (read aloud, think aloud)

**Explanations:** based on *Mountain Rescue/survival*  
Children read and write instructions and explanations, exploring register, punctuating bullet points and adding parentheses. The unit ends with writing based on a mountain survival guide (Lake District)

**Diary entries:** *surviving on a mountain* children explore recounts investigating genuine documents, discussing famous mountaineers and researching survival (disasters and rescues) Children write a diary entry and create their own mountain explorer photo and report.

**Poetry:** Children write a poem based on a different model, using similes and other devices to create

## ICT and Computing

**Unit of Work:** *Coding Games*.

Look at the code behind popular iOS games and begin to learn how the code makes the games playable and work. They will understand how to debug and how to adapt code to make the game more challenging.

**Year:6**  
**Term:Spring 1**

*I'm a Survivor*



## Mathematics including Arithmetic

**Place value:** Use negative numbers in context, and calculate intervals across zero. Solve number and practical problems that involve place value.

**Measurement:** Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.

Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3dp.

Convert between miles and kilometres.

Recognise that shapes with the same areas can have different perimeters and vice versa.

Recognise when it is possible to use formulae for area and volume of shapes.

Calculate the area of parallelograms and triangles.

Calculate, estimate and compare volume of cubes and cuboids using standard units, including cm<sup>3</sup>, m<sup>3</sup> and extending to other units (mm<sup>3</sup>, km<sup>3</sup>).

**Number: Ratio**

Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. Solve problems involving similar shapes where the scale factor is known or can be found. Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.

## Science

### FORCES

Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.

Identify the effects if air resistance, water resistance and friction, that act between moving surfaces.

Recognize that some mechanisms, including levers, pulleys and gears, allow smaller force to have a greater effect.

## PE

Orienteering

Invasion games: tag rugby

## Art & DT

Sculpture-Mountains

Raft and Den building

## Music

**Unit:** *Make You Feel My Love* by Adele

## French

**Unit:** Rooms and Furniture in the house

## History & Geography

Mountains

**Case study:** The Lake District

**Map work:** use maps, atlases, globes and digital mapping

Use 4 and 6 digit grid references to locate places

Identify topographic features of places

## RE and PSHCE

Dreams and Goals