

## Numeracy

- Place value and number work to 1000000, Roman Numerals and rounding
- Column addition and subtraction
- Multiples and factors, prime numbers and multiplication fact
- Multiplying and dividing by 10, 100 and 1000
- Squared and cubed numbers
- Comparing, ordering and adding fractions and decimals. Looking at the links between fractions and decimals.
- Improper fractions and mixed numbers
- Recognizing and solving basic percent problems
- Converting between units of measure and looking at perimeter, area, capacity and volume
- Converting between units of time
- 2D and 3D shapes. drawing and measuring angles; reflection and translation.

## Mountains

Children should:

Name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time.

Describe and understand key aspects of:

Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle



## Displays

Mountains; Victorians; Literacy Working Wall; Numeracy Working Wall; Science working wall and Topic display.

## D&T

### The Highwayman Diorama

Create a scene from the story using materials

### RESOURCES:

Balsa Wood, Drills, Saws, Glueguns.

## Literacy -

Mallory and Irvine; The Highwayman; The Piano; A Christmas Carol.



## Art

→ Caspar David Friedrich



- Still Life Sketching
- Watercolours

# Amazing Mountains

## YEAR 5 Autumn

## Computing

- Understanding computer networks including the internet; how they can provide multiple services, such as the World Wide Web.
- Use technology safely, respectfully and responsibly

### RESOURCES:

ICT Suite

## Music

Planned and taught by Southwark Music  
Ukelele lessons

## MFL

Spanish

Planned and taught by Pablo

## P.E.

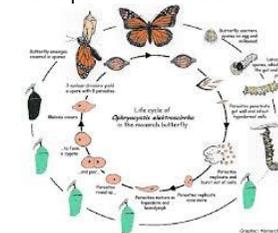
Swimming  
Judo

## Science

### Living things and their habitats

Pupils will be taught to

- describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- describe the life process of reproduction in some plants and animals



### Properties and changes of materials

Pupils should be taught to:

- compare and group together everyday materials on the basis of their properties
- know that some materials will dissolve in liquid to form a solution
- use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials,
- explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible

## PSHE/R.E

PATHS, P4C, MIND UP

Judaism- The Jewish Bible (The Torah)

### Trips/Visitors:

Educational Visit:  
Horniman Museum  
Library