



## Mathematics

Fractions, decimals and percentage:

- Fraction, decimal and percent equivalents
- Finding a fraction or percent of an amount

Algebra

- Using function machines
- Form expressions
- Substitutions
- Solving 1 and 2 step equations

Ratio

- Scale drawings
- Scale factors
- Solving ratio problems

Area/perimeter and volume

- of rectangles
- of triangles
- of parallelograms
- problem solving

Statistics

- line graphs
- dual bar charts
- pie charts
- average

Recapping key number facts

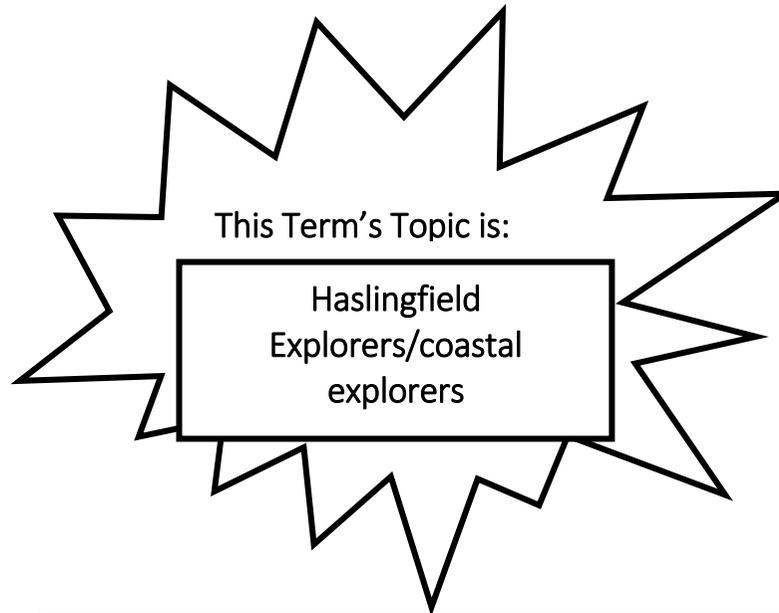
**RE:** What does religion look like around the world?

**Spanish:** Clothes and school life

**PSHE:** Working together and financial capability

**Music:** Dynamics, pitch and texture

**D & T :** Structure - bridges



**Physical Education:** Hockey and tag rugby

**Art:** Sculpture and 3D

- Showing an understanding of installation artwork
- Creating box designs and evaluating these
- Creating an installation plan, model or space
- Describe how their space conveys a message
- Make choices about the materials used and arrangement of items in the space

## English

### Texts

We will be studying a range of books and extracts from various texts in our English and reading lessons this term. Some of these are:

- Impossible Creatures
- Spiderwick Field Guide
- The Billow Maiden
- Flotsam
- Non-fiction linked to science/topic

Children will be writing:

- A persuasive piece
- An information text on a mythical creature inspired by Spiderwick Field guide
- A myth
- Their own pieces during free-writing sessions

### Spelling

Spelling will be taught through English lessons and supplemented with short discrete spelling sessions which will include:

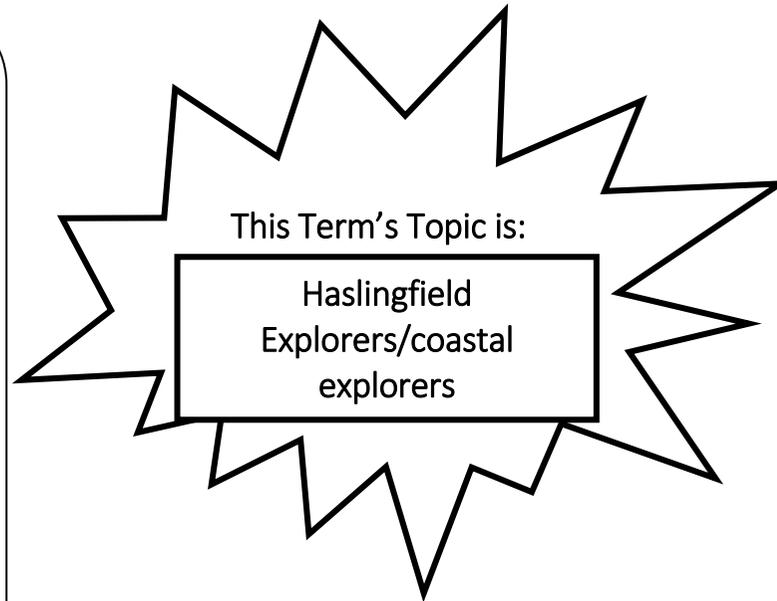
- Statutory words recap
- Vowel suffixes
- Consonant suffixes
- Proofreading
- Homophones
- Revising personal spelling lists
- -ough string
- -cial/-tial

## Geography

- 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
- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- use the 8 points of a compass, 4- and 6-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world
- use fieldwork to observe, measure record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies

## History

- To understand how knowledge of the past is constructed from a range of sources



## Computing

### Programming

- Iterate ideas, testing and changing throughout the lesson and explain what their program does.
- Use nested loops in their designs, explaining why they need two repeats.
- Alter the house drawing using Python commands; use comments to show a level of understanding around what their code does.
- Use loops in Python and explain what the parts of a loop do.
- Recognise that computers can choose random numbers; decompose the program into an algorithm and modify a program to personalise it.

## Science

### Light:

- recognise that light appears to travel in straight lines
- use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye
- explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
- use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them

### The circulatory system/diet, drugs and lifestyle:

- identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
- recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
- describe the ways in which nutrients and water are transported within animals, including humans