

# Boarshaw Primary School - Medium Term Plan - Year 6 – Spring 1

## Learning Challenge –

How can we find out if spiders and flies are related?

### As scientist we will be answering these questions:

LC1 – How can we classify different animals, plants and micro-organisms?

LC2 – How can we classify spiders and flies?

LC3 – What do we know about and how can we classify vertebrate animals?

LC4 – What do we know about and how can we classify invertebrate animals?

LC5 – What can you find out about the special attributes that some animals and plants have to help them survive?

LC6 – Who lives in a house like this?

### Key Knowledge:

- Classify living things into broad groups according to observable characteristics and based on similarities and differences.
- Know how living things have been classified.
- Give reasons for classifying plants and animals in a specific way.
- Know how to plan a scientific enquiry.
- Know how to record data and results using scientific diagrams and classification keys.

## As Design and Technologists:

We can follow and adapt a recipe

### Key Knowledge:

- Find a suitable recipe for a task
- Follow a recipe, using correct quantities of ingredients and select necessary equipment.
- Explain where key foods come from.

## As Computer Programmers:

We can identify ways to stay safe online and understand potential risks.

We can use a spreadsheet in a real life situation.

### Key Knowledge:

- Explain the positive and negative aspects of technology.
- Understand the impact of what is shared online.
- Use a spreadsheet to and to come up with solutions for a real-life situation,

## Learning Challenge –

### Where are we in our wonderful world?

#### Our half term work has a Geography Focus

WOW Moment! Tour the planet with Google Earth.

#### As Geographers we will be answering these questions:

LC 1 – What are the continents and oceans that make up our planet?

LC 2 – What is a biome and where are different biomes found across the globe?

LC 3 – Europe: How is the land used for farming?

LC 4 – Asia: How do the rural areas and the highly populated areas compare?

LC 5 – North America: Where are the major rivers, mountains and national parks found?

LC 6 – South America: Why are rainforests important for the planet?

LC 7 – Australia: Why did people settle in the places that they did?

LC8 – Africa: How does anything live in a desert?

#### As Mathematicians:

Develop our knowledge of **decimals and percentages** by,

- Identifying the value of each digit in a number up to three decimal places
- Multiply and divide by 10, 100 and 1000 giving answers up to three decimal places
- Multiply a one-digit number with up to two decimal places by whole numbers and use a written method to divide where answers have up to two decimal places
- Solve problems which require answers to be rounded to specified degrees of accuracy
- Recall and use equivalents between simple fractions, decimals and percentages
- Finding percentages of amounts and applying to different contexts

Develop our knowledge of **algebra** by,

- Using simple formulae and expressing missing number problems algebraically
- Generating and describing linear sequences
- Find pairs of numbers that satisfy an equation with two unknowns and enumerate possibilities of combinations of two variable

Develop our knowledge of **ratio**:

- Understand that ratio shows the relationship between two values.
- Use objects and diagrams to compare ratios and fractions.
- Calculate ratios and be able to find a part and a whole.
- Use and calculate scale factors.

#### As Theologians:

We can think about the key question What difference does it make to believe in Ahimsa (harmlessness), Grace, and Ummah (community)?

#### Key Knowledge:

- Make connections between beliefs and behaviour in different religions and outline the challenges of being a Hindu, Christian or Muslim in Britain today.
- Make connections between belief in ahimsa, grace and Ummah

#### As Athletes:

We can play competitive games of hockey and tag-rugby.

#### Key Knowledge:

- Develop communication skills in order to play as part of a team
- Improve our throwing and kicking skills in order to aim with accuracy.
- Demonstrate improvement.

#### As Language Specialists:

We will be able to talk about days and months before looking at sports.

#### Key Knowledge:

- I can recall numbers and months.
- I can recognise and understand familiar and unfamiliar nouns.
- I can recognise and understand familiar and unfamiliar nouns.
- I can create opinions about a sport.
- I can understand and write simple information about a sport.
- Check for learning.

#### As Musicians:

We will develop our knowledge of the music of Benjamin Britten and key features of his style

#### Key Knowledge:

- Identify instruments and voices that can be heard within a piece of music.
- Talk about dimensions within a piece of music.
- Learn to clap some of the rhythms used in a song.
- Discuss pieces of music using correct musical terms and vocabulary.

#### As Citizens:

We will learn to understand the importance of keeping ourselves safe and our responsibilities we have for our online behaviour

#### Key Knowledge:

- Accept that responsible and respectful behaviour is necessary when interacting with others online and face-to-face
- Understand and describe the ease with which something posted online can spread
- Describe safe online behaviours and know how to keep some information private online
- Define what is meant by the word addiction
- Understand the laws relating to drugs
- Describe some of the effects and risks of drinking alcohol