

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 Artists:

We can improve our drawing technique.

Key Knowledge:

- Improve mastery of drawing and sketching using a range of materials such as pencil, charcoal and pen.

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 **position and direction (geometry)** by,

- Reading and plotting coordinates in the four quadrants.
- Translating and reflecting coordinates and shapes.

Develop our understanding of **converting units** by,

- Identifying different metric units of measure and converting between units of length.

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 food and drink and use phrases appropriate for interactions in a restaurant.

Key Knowledge:

- Recognise items on a restaurant menu
- Name various drinks and ask someone what they would like to drink
- Ask someone what they would like to eat and say what you would like to eat
- Have a conversation in the role of a worker or a customer in a restaurant
- Decipher code to form a sentence

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