

As mathematicians we will:

Understand and investigate numbers

- Recognise factors, multiples, prime and square numbers
- Review and extend our knowledge of place value
- Work with fractions to simplify, compare and order and find equivalent fractions.
- Multiply whole numbers and decimals by 10, 100 and 1000
- Use these skills in the context of problems.

Calculating

- Develop mental and written methods for addition and subtraction involving decimals,
- Multiply and divide 4-digit by 2-digit whole numbers using formal written methods (see calculation policy)
- Solve problems involving addition, subtraction, multiplication and division.

Other opportunities to explore are:

- Through our research on conservation we will look at economic activity and how this impacts our world and habitats.
- Study of biomes e.g. the rainforest.
- Map work and study of features of different biomes and relate to climate change.
- Developing our knowledge of Christian values and prayer across religions.
- Understand how to control a product through programming using Scratch.
- Compose music focusing on pitch, tempo, timbre and texture. and appreciate great composers and musicians.

As readers and writers we will:

- Create poetry using imaginative and metaphorical language.
- Write persuasion writing using emotive language.
- Look more deeply at a range of texts in our Guided Reading.
- Setting descriptions within a narrative.
- Empathetic writing linked with characters from 'The Promise'.

Our Changing world

YEAR 6 AUTUMN 2018



As healthy children we will:

- Think about how exercise affects our bodies and our health.
- Developing our physical skills by playing invasion games.
- Create own dance linked to topic.
- Take part in outdoor adventurous activities at Min-y-Don.

As scientists we will be studying 'Evolution and Inheritance' and 'Living things and their habitats'. Children will learn:

- The use of studying fossils to show changes over time.
- That living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
- Identify how animals and plants are adapted to suit their environment
- Classify living organisms

As artists and designers we will:

Draw and paint pictures of endangered animals to:

- Develop our skills in drawing by using a variety of shading techniques: dots, lines, circles using a variety of pens, pencils and crayons.
- Create drawings include shadows and reflections.
- Mix colours observed in natural and man-made world by mixing.
- Experiment with different colours to create a mood using water colours.
- Sketch lightly before painting to combine lines with colour.
- Design and make a functioning windmill and plan how to use this for renewable energy.