

Summer Term Year: 4

Unit of Learning: How can science and technology help us to live sustainably?

Overview:

This unit of learning focuses on Science & Technology. Children will be exploring different scientific concepts through practical experiments and authentic experiences. They will learn about different forms of renewable energy and how they can be used to generate electricity. In addition to this, Year 4 will be investigating sound and light. Pupils will be given opportunities to:

- Conduct their own mini experiments - writing predictions, recording results and developing conclusions.
- Construct their own series circuit and learn about circuit symbols.
- Investigate different conductors and insulators.
- Explore chemical reactions based around cooking (reversible and irreversible changes).
- Design and make a 3D model based around the theme of sustainability and renewable energy (e.g. a wind turbine).

We will also be preparing for our transition to our new class, as well as celebrating Sports Day and continuing to enjoy Nature Based Learning every Thursday.

Languages, Literacy & Communication

We will be using the book 'The Boy Who Harnessed the Wind' by William Kamkwamba as a stimulus for our literacy work this term.

Research and present information about Malawi (book setting).
Write a non-chronological report on the different forms of renewable energy.

Write a newspaper article based on our class novel.
Scientific writing - predictions and conclusions using appropriate scientific vocabulary.

Narrative writing - create a sustainable city and write an adventure story using it as the setting.

Mathematics & Numeracy

We will be revising a range of Year 4 objectives in preparation for the National Tests in May.

Number - write money as decimals, calculating change.

Number - partition decimals. Write tenths and hundredths as decimals.

Measure - tell the time on a digital and analogue clock (incl. 24 hr clock)

Algebra - recognise and continue sequences, generate own sequences.

Probability - represent probability as a fraction, decimal and percentage.

Ways to help at home

Read for pleasure daily.

Practise basic number facts (including times tables up to 12x12 along with division facts).

Help your child to be able to tell the time.

Encourage your child to complete weekly homework set.

Keep up-to-date on current affairs - newsround is useful for this.

Important Dates

- PTA Art Exhibition - **Tuesday 6th May 3.30pm**
- **National Testing** (reading, maths procedural and maths reasoning) - **Week commencing 19th May.**
- Marvellous Men's Sale - **12th June**
- **Sports Day - 25th June (pm)**