

The Mystery of Materials! Year 5

Successful Learners

Areas of Learning



As writers, we will be using our story writing skills to create atmosphere and tension with a wide range of vocabulary choices. We will be writing texts to explain scientific processes.

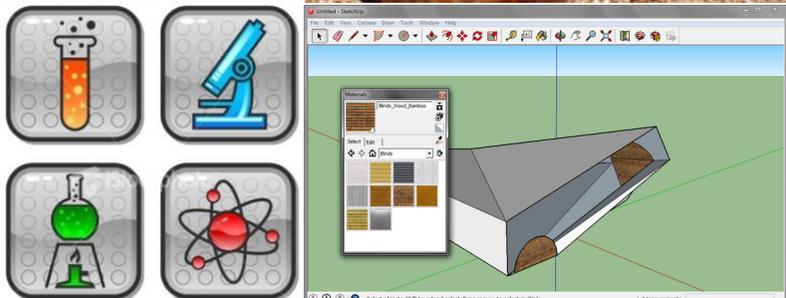
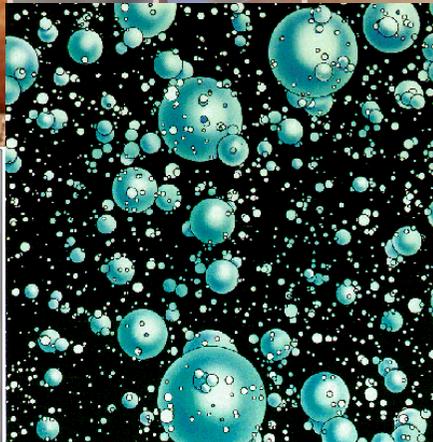
As mathematicians, we will be exploring decimals and percentages while making links to our previous fraction learning.

As scientists, we will be exploring the changes between a reversible and irreversible change. We will be looking at how everyday materials can conduct electricity.

As members of society, we will be exploring the four Gospels of the Easter narrative and how different people portray Jesus' life.

As computing specialists, we will be looking at how we can use Microsoft Excel to create different formula to show data.

As sports people, we will further develop our swimming skills, practicing different strokes and our stamina. We are developing team skills through PE.



Learning Skills

This half term, we will be capturing our learning by thinking using riddles to support this.

We will:

- Compare and contrast
- Evaluate and analyse

Life Skills

Life skills including personal, social, health, spiritual, cultural and economic will focus on **drug education**, we will:

- Look at the importance and benefits that drugs play in society
- Understand the potential pressure to behave in an unacceptable or risky way that can come from a variety of sources

Values

Our value this half term is **honesty**.

- We will focus on how we can use honesty to deal with challenging scenarios and how it can help solve problems
- We will develop our honesty in how we reflect and accept our mistakes to help us learn and move forward

Wray Common Citizens

As members of a **community**:

- Appreciate how people in the world rely on bread as their main food source and how important it is to be able to grow and sustain crops.
- Begin to prepare our allotment for growing
- Discuss how we can look after our community

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Key Skills

English

- We will be focusing on the features of suspense stories and developing our descriptive skills to create atmosphere and tension in our stories.
- We will be investigate the formats of a range of non-fiction writing; recipes, instructions, and information texts when writing about different aspects of science.
- We will be investigate how to make bread as part of our science focus. This investigation will form part of our English writing - focusing on present tense, a wider use of punctuation and how to write an informed conclusion.
- We will continue to focus on using a range of technical vocabulary.

Maths

Decimals and Percentages

- We will be reading and writing decimal numbers as fractions.
- We will be able to recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.
- We will be able to round decimals with 2 decimal places to the nearest whole number and to 1 decimal place.
- We will be able to compare numbers and solve problems involving numbers up to 3 decimal places.
- We will be able to solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and fractions with a denominator of a multiple of 10 or 25.

Music

We will:

- Explore the interrelated dimensions of music through singing, performing, composing and improvisation.

Computing

- We will be developing our coding knowledge through the use of Makey-Makeys as an input device.
- We will be using Microsoft Excel to explore how to use formula work out a range of data.

DT

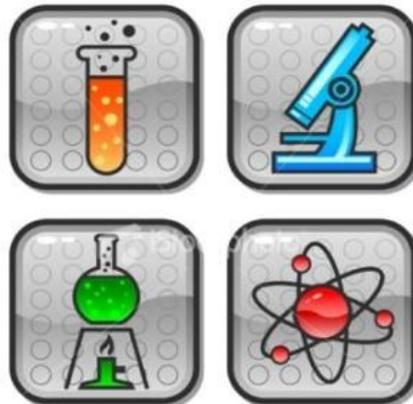
- We will be using cooking as a way of investigating different changes of state and how these are reversible or irreversible.

PE

- We will be developing our swimming skills, practicing different strokes and developing our swimming stamina.
- We will be developing our team work skills through PE.

RE

- We will be looking at how people experience and recall the same events in different ways.
- We will be exploring how the life of Jesus is documented other than the bible.
- We will also be looking at the similarities and differences between the four Gospels of the Easter narrative.



Science

- We will be planning and carrying out a far test into dissolving and how well everyday materials conduct heat.
- We will be using our knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.
- We will be exploring to see if dissolving, mixing and changes of state are reversible changes.
- We will be investigating which everyday materials can conduct electricity.