

Literacy

Key texts we will read:

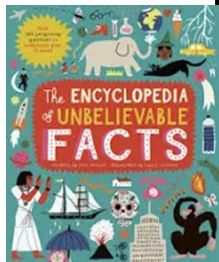
- The Iron man
- The Encyclopaedia of Unbelievable facts

As readers we will:

- Read and answer questions about a familiar text
- Develop an understanding of emotive language

As writers we will:

- Write a narrative
- Write a poem to give the reader a powerful message
- Write for different purposes using the features of different text types



Science

As scientists we will: Evolution and inheritance

- Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.
- Recognise 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 in different ways and that adaptation may lead to evolution.



Whitehouse
Curriculum Map
Autumn 1 2023
Upper Key Stage 2

Maths

As mathematicians we will :

Place Value- (Year 5)

- Read, write, order and compare numbers to at least 1 000 000 and know the value of each digit
- Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000
- Interpret negative numbers in context
- Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000

Addition and subtraction (Year 5)

- Add & subtract integers with more than 4 digits
- Use formal written method (column)

Multiplication and Division (Year 5)

- Understand multiples and factors
- Use formal written method

Place Value (Year 6)

- Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
- Round any whole number to a required degree of accuracy
- Use negative numbers in context, and calculate intervals across zero

Addition, Subtraction, Multiplication and Division (Year 6)

- Multiply up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division
- Identify common factors, common multiples and prime numbers
- Solve multi-step problems deciding which operations and methods to use.

Art and Design

As artists we will: Architecture Painting Delaunay

- Produce increasingly detailed preparatory sketches for painting and other work
- Use simple perspective using a single focal point and horizon.
- Mix a range of complimentary and contrasting colours
- Use a flat brush to apply tones of paint in order to create a shaded effect.

Music

As musicians we will:

- Listen to and appraise different genres of music
- Experiment with different sounds including instruments
- Recognise and read simple notation
- Improvise and compose music for a range of purposes
- Prepare and end of unit performance on the song 'Happy'

PSHE and Personal Development:

As caring citizens we will:

- Speak about groups we are involved in
- Discuss who is part of our school
- Work co-operatively in a group to explain how democracy works in our school.
- Discuss how our actions affect ourselves and others

PE:

As active pupils we will:

- Develop defending and attacking skills playing even-sided games in hockey
- Learn how to send the ball using a push pass
- Apply the rules and skills learnt to play in a hockey

Computing:

As digital pupils we will:

- Be creating media and videos.
- Using a digital device to record video
- Teaching learners to develop the skills required to plan, record, edit, and share a video.

Natural Resources and Trade

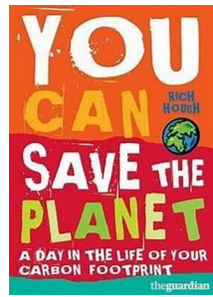
Autumn | 2023

National Curriculum

lead subject: Geography

New knowledge we will acquire:

- Britain's natural resources are crops, oil and wood
- Natural resources are used to produce energy
- Wind turbines and solar panels are renewable ways to produce electricity
- North America and Scandinavia produce the most of the world's wood.
- Ancient trees are being used in wood production and being replaced with fast growing trees.
- Wood production causes deforestation
- An import is where a country buys a resource from another country
- An export is where a country sells a resource to another country
- Countries around the world trade with each other



Learning activities we will complete:

- We will be looking at what natural resources are, naming some and then ranking them based on importance to society.
- We are going to create a world map to show the top producers of these natural resources. At the end of the lesson, we will discuss the top 10 products that Britain export.
- We are going to learn about fossil fuels, finding out key information about fossil fuels. We will then play an 'energy' game, this game will help us to understand the value of renewable energy as opposed to using non-renewable energy. Then, we will answer key questions based on the game.
- We are going to read the book 'The Boy Who Harnessed the Wind'. We will consider key issues in the text related to renewable resources. We will then use DigiMaps to find wind farms and renewable resources around the UK. We will then complete a wind power challenge.
- We will consider the uses of trees as a natural resource. We will find the top producers of wood from around the world, showing this on the map. We will list the pros and cons of using wood and then plant a tree.

Key vocabulary will use:

natural resources, crops, agriculture, oil, wood, electricity, wind turbine, solar power, energy, ancient, production, import, export, trade

Helpful websites:

[Free Trees for Schools and Communities - Woodland Trust](#)

[The Boy Who Harnessed the Wind by William Kamkwamba and Bryan Mealer - YouTube](#)

[Explore fossil fuels and renewable energy - BBC Bitesize](#)

[Fracking: What is it and how does it work? - BBC Newsround](#)