

Year 5 – Blwyddyn 5

Language, Literacy and Communication

- Phonic Rocket spelling activities and assessments
- Use a wide variety of text types through Language and Literacy programme. Bling. Writing dilemma stories.
- Cross-curricular opportunities to use literacy
- Use language that sounds natural and spoken.
- Build confidence in creative writing and performance.

Cross-Curricular literacy

- Children will read, research and discuss topics like coal, mining, and renewable energy.
- Pupils will write and present information through charts, timelines, case studies, and creative work.
- Vocabulary development will focus on key terms such as “power,” “renewable,” and “soundscape.”
- Speaking and listening skills will be practiced through group discussions, debates, and planning the Showcase.

Welsh Language Development

- Having daily Helpwr Heddiw to encourage Welsh in class.
- Taking part in daily drilio session to develop their speech and understanding. To be involved in the Urdd.
- Writing a first-person text type.
- St David’s Day performance.

Developing Integral Skills – Planning and Organising, Personal Effectiveness, Creativity and Innovation, Critical Thinking and Problem

Health and wellbeing

- Children will reflect on power, energy and change, encouraging curiosity and emotional awareness.
- Learning about coal miners’ lives and health challenges helps develop empathy and understanding of physical well-being.
- Group activities such as research, discussions and case studies build teamwork, communication, and social skills.
- Planning and preparing the Showcase helps children develop responsibility, confidence, and decision-making.
- Exploring coal and renewable energy encourages children to think about healthy and sustainable choices for the future.

Mathematics and Numeracy

- Multiples, factors, common multiples/factors, prime numbers, square numbers
- Multiply by 10, 100, 1,000
- Equivalent fractions (unit & non-unit), improper ↔ mixed numbers
- Compare and order fractions (less than 1 & greater than 1)

Cross curricular numeracy

- Children will collect and interpret data, such as mining jobs, energy usage, and case study information.
- Pupils will use charts, graphs, and timelines to present numerical information clearly.
- Comparing, ordering, and classifying information through activities like true/false and advantages/disadvantages tasks.

Humanities

- Learn about the history of coal and its importance in Wales and beyond.
- Explore coal and mining communities from the past, including what daily life was like for families and workers.
- Research local mines, finding out where they were located and the role they played in the local area.
- Investigate why Wales moved away from coal energy, including environmental impacts and the development of alternatives such as solar and wind energy.
- Learn about renewable energy, understanding how it works and why it is important for the future.

Our question: From Coal to Clean; How has power shaped our past and how is it shaping our future?

Power

Developing Higher Order Thinking Skills - Creating, Remembering, Understanding, Applying, Analysing, Evaluating,

School Values: Responsibility & Ambition

Expressive Arts

- Exploring Josef Herman’s artwork, focusing on local mining scenes and using a variety of materials and techniques to create their own responses.
- Composing music inspired by mining, thinking carefully about rhythm, tempo and atmosphere.
- Creating soundscapes of the mines, using percussion instruments to represent different sounds and digital technology to record and layer their work.
- Developing skills in planning, organising and teamwork by preparing a ‘Showcase’ of their learning to share their work with others.

Science and Technology

- Children will explore energy and power, learning how energy is used and the differences between fossil fuels and renewable energy.
- Pupils will investigate coal and mining, discovering how coal is formed, its properties, and how it was used.
- Through sound and technology, children will create and record mining soundscapes, using percussion instruments and digital tools to layer and represent sounds.
- Pupils will develop data handling skills, collecting, analysing, and presenting information about mining jobs and energy sources.
- Experiments and investigations will help children observe, test and understand scientific concepts linked to energy, materials, and sound.