

Personal & Social Development, Well-being and Cultural Diversity

- Personal Development - new experiences, discuss any anxieties prior to the visit to settle any nerves. The class can be explorers heading for a new challenge, what should they take/wear?
- Social Development - discuss behavioural expectations and conduct whilst visiting caves.
- Moral and Spiritual Development - Why should the caves be treated with respect? How would you feel if someone damaged one of the cave formations?
- Well-being - discuss the dangers posed by cave explorers. What precautions must they take to stay safe?

Mathematical Development

- Number - use data to compare and solve problems on numerous caves. Follow an outdoor number trail to recreate an explorer's journey.
- Measures and Money - discuss and compare the length, height and width of various parts of the caves. Sort coins (by type or value) into money bags to replicate those found in Bone Cave.
- Shape, Position and Movement - use a diagram of a cave to practice co-ordinates and grid references. Challenge the children to locate the various features.
- Handling Data - compile a graph/table of the class' favourite cave formations. Sort modern day caving objects from those used by the Morgan Brothers. Use various sources to collect data on other caves around the world.

Language, Literacy and Communication

- Oracy - 'Hot Seating' interview the Morgan brothers on their exploration. How did you feel exploring the caves? How do you think the Morgan brothers felt? Would you like to explore further into the caves? What do you think you would discover?
- Reading - explore a wide range of fiction and non-fiction books ranging from geology to the Romans. Create/complete a word search of the various formations.
- Writing - write an entry from the Morgan brothers' diary on the day they discovered Dan yr Ogof. Create a class display of the journeys taken through the caves by sequencing a description of the features seen written by individuals or small groups. Label a picture of a cave showing various formations. Compose poems describing emotions, sensations, perceptions etc.

Caves

Knowledge and Understanding of the World

- Places and People - Where is the National Showcaves Centre for Wales? Identify natural and man-made features observed on the journey and during the visit.
- Time and People - Who lived in caves? How have the caves and the surrounding area changed over time? How has the way we use caves changed? Use sieves and small brushes in the sand tray to search for treasures i.e. roman coins, jewellery etc.
- Myself and Other Living Things - What animals live in caves? Using our senses.
- Myself and Non-Living Things - Why are caves dark? Identify man-made and natural materials in the caves. Recreate a stalactite/stalagmite using Epsom salts (see additional notes). Design a coat for the class bear to visit the caves in; what material would be the best?

Physical Development

- Design and construct a cave explorer assault course combining climbing over apparatus and crawling under mats or through tunnels.

Creative Development

- recreate cave art using creased brown paper and charcoal/chalks
- explore natural dyes
- willow weaving as seen in iron age village
- make cavers' headlamps and flashlights (for visit or role play in class) using black paper and fluorescent paper.
- use clay/playdough to re-create favourite cave formations
- What sounds did we hear in the caves? Recreate using percussion instruments.

Welsh Language Development

- What does 'Dan yr Ogof' mean?
- Report on visit using familiar sentence patterns
- Discuss other caves in Wales and translate their names.