



## Brief Description

Cave and mine trips allow students the exciting opportunity to explore underground. These trips allow the opportunity for both physical challenge and to gain knowledge about rocks, fossils, passage formation and human impact.

## PSHE and Wider Learning Outcomes

- Self esteem
- Team work
- Empathy,
- Resilience
- Physical and mental health

## Session Objectives

By the end of the session, students will

- Be able to recognise different rock types
- Understand calcification e.g. stalactites stalagmites flow stone curtains etc.
- Be aware of cave and mine hazards such as flooding, loose rock
- Understand various mining techniques
- Realize the importance of team work
- Be aware of cave conservation

## National Curriculum Outcomes

**Rocks:** Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties

**Rocks:** Describe in simple terms how fossils are formed when things that have lived are trapped within rock

**History:** Study an aspect of history or a site dating from a period beyond 1066 that is significant in the locality.

**Geography:** describe and understand key aspects of, the water cycle, types of land use, economic activity, and the distribution of natural resources including minerals and water.

## Progression / Differentiation

The session can be tailored to suit the groups needs e.g. returning students can visit a more challenging cave if they wish, or do a more adventurous trip involving ropes. First time explores or younger students can access caves that by their very nature are just a walk in the dark and inclusive to all.

## Vocabulary

**Equipment:** Helmet, light first aid kit, caving suit, wellies.

**Environment:** limestone, gritstone, stalactites, stalagmites, stemples, deads, galena, adit.

**Team work:** communication, empathy, sharing, listening.