

## Landscape Detectives

Geography Field trip for key stage 3 - year 8 pupils - to study:  
**Limestone Landscapes of England**

<b>Themes:</b> Based on Scheme of Work for the National Curriculum's Unit 13 in Geography		> Focus on the Mendip karst scenery above and below ground. > Interpret OS and geology maps. Label own maps and cave surveys. > Research the history of Mendip, its mineral wealth and the exploitation of local resources. > Consider impact of quarrying on local community and consider sustainable development as the way forward. > Discuss and collaborate ideas, values and attitudes to development.		
		MORNING	AFTERNOON	EVENING
<b>MONDAY</b>	<b>Arrive at centre and settle in...</b>  Introduction to centre life.  <b>Geological Introduction</b>  Historical walk around Blackmoor Nature reserve and the Roman and Victorian Lead mines.	<b>Geological Introduction</b>  Picnic  Continue walk to Beacon Batch. A transect across Mendip's Denuded Anticline. Compare and contrast textures of limestone, limestone shale and old redstone.	<b>Goatchurch Cavern</b>  Caving trip looking at formation of carboniferous limestone.  <ul style="list-style-type: none"> <li>- Origins</li> <li>- Fossils</li> <li>- Joints</li> <li>- Bedding Planes</li> <li>- Faults</li> </ul>	
<b>TUESDAY</b>	<b>Walk to Cheddar</b>  Sketch gorge and karst scenery. Use of OS map to identify features using conventional signs.	<b>Quarry Visit</b>  Trip around Bardon Quarry looking at quarrying methods, aggregate products.  Identify impact on the Mendip landscape and local community.	<b>Abseil</b>  At the 30m high Split Rock Quarry.  Determine colonisation and succeeding at an abandoned quarry.	
<b>WEDNESDAY</b>	<b>Visit to Wookey Hole</b>  A show-cave resurgence on the Mendip spring line.	<b>Swildon's Hole Caving Trip</b>  Caving trip down Swallow Hole that links to Wookey Hole.  Exploration of the top-end of this cave locating and identifying cave speleotherms.	<b>Nocturnal Safari</b>  Visit centre's reserve (old lead mine). Calcareous creatures - Horseshoe bats and invertebrates of calcareous grassland. Discuss industrial legacy of the reserve 'From lead mine to SSSI'.	
<b>THURSDAY</b>	<b>Vallis Vale Quarry Visitor Centre</b>  Quarry conservation and recreational access to quarries.	<b>Tour of Charterhouse</b>  Discuss sustainable development.  Review findings. Produce labelled map of Mendip, main quarry areas, transport routes, abandoned quarries.	<b>Celebration Party</b>	
<b>FRIDAY</b>	<b>Writing on the Rock</b>  Descriptive writing on Mendip quarrying.	Pack  Tidy  Certificates  Depart		