



**CEREBRAL CHALLENGES:**

**Crime Scene Investigation and Treasure Trail**

Year 6-7 Science and Geography

<b>Learning Objectives During this Day Course pupils should learn:</b>	
ü	To use investigative skills to collect and record evidence by careful observation, testing and measurement.
ü	To develop thinking, listening and speaking skills.
ü	To evaluate evidence and draw conclusions.
ü	To use and interpret a map
ü	To develop and apply map skills using grid references, compasses and distance measurements in a real world context
ü	To work co-operatively in small groups
<b>Pupils will also:</b>	
ü	Learn safely in a new environment;
ü	Gain an appreciation of the environment and understand their role in caring for it.

<b>Day Course Programme</b>	
Where 2 classes are attending the course the introductory session will be common to both. Classes will then separate and sessions A and B will be interchangeable am and pm.	
<b>Introduction:</b> On arrival a member of CEES teaching staff will welcome your group to the Centre and describe the day's programme and the learning objectives.	
<b>Crime Scene Investigation:</b> Students will work in groups to unravel the mystery and solve the crime, including: <ul style="list-style-type: none"> <li>§ Examining the scene of the crime and searching for clues</li> <li>§ Gathering and studying evidence</li> <li>§ Studying police case notes and investigating the suspects</li> <li>§ Interpreting findings and drawing conclusions</li> <li>§ Preparing and delivering a presentation</li> <li>§ And solving the mystery!</li> </ul>	
<b>Treasure Trail:</b> Students will be introduced to a map skills challenge based at Stibbington's Nature Reserve, a short walk from the Centre. The challenge will involve plotting six figure grid references and using a compass to follow a route which will lead to the hidden treasure.	
<b>Plenary:</b> The group will reflect on their day and consider how well the learning objectives have been met.	
<b>Note:</b> The actual programme may vary depending on number and needs of pupils, length of visit and weather conditions.	

<b>Relevant extracts from CEES risk assessments</b>	
See also separate guidance notes on safe and effective day courses	
<b>Hazard</b>	<b>Control measures</b>
Extreme weather conditions	<ul style="list-style-type: none"> <li>• CEES staff are aware of daily weather forecast.</li> <li>• Alternative venues or activities are substituted if weather conditions are particularly unfavourable.</li> <li>• In extreme cases, where guidance notes on clothing (see separate notes) have not been complied with, pupils may be excluded from activities.</li> </ul>
Unfamiliar surroundings	<ul style="list-style-type: none"> <li>• Adults supervise directly (e.g. walking beside the group regularly checking that entire group is present).</li> </ul>
Walking along village roads	<ul style="list-style-type: none"> <li>• Pupils walk in single file or not more than two abreast</li> <li>• Group leader walks ahead of pupils with one adult at the rear and others walking with their group.</li> <li>• Group walks on footpath if possible, otherwise on safer side of road normally on right to face oncoming traffic.</li> <li>• When walking and working in small groups pupils are instructed to stay close to their supervisory adult.</li> </ul>
Walking beside water	<ul style="list-style-type: none"> <li>• Pupils and adults are made aware of safe standards of behaviour when walking beside water.</li> <li>• CEES staff carry a lifeline in addition to standard safety equipment.</li> </ul>

<p><b>Adult : Pupil ratios</b></p> <p>For this course CEES' minimum ratio for safety is <b>1 : 8</b>, but better ratios are likely to result in improved learning outcomes.</p> <p><b>For most classes, 4 pre-arranged working groups, each with an adult, is ideal.</b></p>
<p><b>Other information</b></p> <p>Please see separate guidance notes on safe and effective day courses, including information on clothing and equipment.</p>