



# INVESTIGATING RIVERS Years 3 and 4

## KS 2 Geography

<p><b>Learning Objectives During this Day Course pupils should learn:</b></p> <ul style="list-style-type: none"> <li>ü To recognise and identify geographical features relating to rivers.</li> <li>ü About how rivers erode, transport and deposit materials and how these processes can change the shape of the landscape.</li> <li>ü To use maps, models and fieldwork equipment</li> <li>ü To know how human activity can affect and be affected by rivers.</li> <li>ü To understand the hazards and risks associated with rivers.</li> </ul>
<p><b>Pupils will also:</b></p> <ul style="list-style-type: none"> <li>ü Learn safely in a new environment;</li> <li>ü Gain an appreciation of the environment and understand their role in caring for it.</li> </ul>

**Adult : Pupil ratios**  
 For this course CEES' recommended ratio for safety is **1 : 8**  
 For most classes, 4 pre-arranged working groups, each with an adult, is ideal. Additional adults may be needed with classes where individual pupils need 1: 1 support.

**Other information**  
 Please see separate guidance notes on safe and effective day courses, including information on clothing and equipment.

<p align="center"><b>Day Course Programme</b></p> <p align="center">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.</p>
<p><b>Introduction:</b> On arrival a member of CEES staff will welcome your group to the Centre and describe the day's programme and the learning objectives. An illustrated talk will then introduce or recap river and valley features using geographical terminology, which will be re-visited during the day's programme.</p>
<p><b>Session A:</b> This session includes: studying a model and map of the local landscape to identify river and valley features using appropriate geographical vocabulary; using a demonstration model to simulate the way in which rivers erode, transport and deposit material along with the hazards associated with flooding; using sand trays to create models of river drainage basins.</p>
<p><b>Session B:</b> This session involves a walk through Stibbington village to the River Nene. Pupils will use a map to follow the route, observing features relating to rivers along the way, including: valley shape and flood plain; erosional features of the riverbank; human use of the river; and even a sewage treatment plant! Beside the river pupils will measure and record the speed of flow, complete a field sketch and consider the impact of flooding on the area.</p>
<p><b>Plenary:</b> The group will reflect on their day and consider how well the learning objectives have been met.</p>
<p><b>Note:</b> The actual programme may vary depending on number and needs of pupils, length of visit and weather conditions.</p>

<p align="center"><b>Relevant extracts from CEES risk assessments</b></p> <p align="center">See also separate guidance notes on safe and effective day courses.</p>	
Hazard	Control measures
Walking and working beside water	<ul style="list-style-type: none"> <li>• Pupils are given clear verbal instructions on safety beside water and the safe use of equipment.</li> <li>• CEES staff carry a lifeline in addition to standard safety equipment.</li> <li>• Practical work is carried out only where there is no water pollution.</li> <li>• Pupils with cuts, abrasions or skin allergies are given protective gloves.</li> <li>• Pupils are instructed to wash hands thoroughly after the activity and before eating.</li> <li>• Work is not carried out where any kind of pollution is suspected</li> </ul>
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 have not been complied with, pupils may be excluded from activities.</li> </ul>
Unfamiliar countryside surroundings	<ul style="list-style-type: none"> <li>• Adults supervise directly, for example walking beside the group and regularly checking that entire group is present.</li> <li>• Pupils are made aware of safe standards of behaviour.</li> </ul>
Equipment	<ul style="list-style-type: none"> <li>• Pupils are given clear verbal instructions on the appropriate use of equipment.</li> <li>• Pupils are supervised closely when using equipment.</li> </ul>
Village roads	<ul style="list-style-type: none"> <li>• Pupils are instructed to walk in single file or no more than two abreast using a pavement where possible.</li> <li>• The CEES leader walks ahead of pupils with one adult at the rear and other adults walking with their group.</li> </ul>