



INVESTIGATING RIVERS

KS 2 GEOGRAPHY

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

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">Day Course Programme</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>Introduction: 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>Session A: This session includes: studying a model and map of the local landscape to identify fenland landscape 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>Session B: This session will involve a walk through the Upware area to investigate the River Cam and associated landscape features, including flood plain, flood banks, meander, confluence and tributary. At a safe location the pupils will label and complete a landscape sketch. This will be followed by a practical investigation where the pupils will measure and record the speed of flow, and also measure the depth of the river so that the profile can be drawn. The pupils will then consider their results and draw conclusions.</p>
<p>Plenary: The group will reflect on their day and consider how well the learning objectives have been met.</p>
<p>Note: The actual programme may vary depending on number and needs of pupils, length of visit and weather conditions.</p>

<p align="center">Relevant extracts from CEES risk assessments</p> <p align="center">See also separate guidance notes on safe and effective day courses.</p>	
Hazard	Control measures
Deep and moving water	<ul style="list-style-type: none"> • Pupils and adults are given clear verbal instructions and are made aware of safe standards of behaviour when working beside water. • Pupils work in small groups that are closely supervised by an adult. • CEES staff carry a throw line.
Extreme weather conditions	<ul style="list-style-type: none"> • CEES staff are aware of daily weather forecast. • Alternative venues or activities are substituted if weather conditions are particularly unfavourable. • In extreme cases, where guidance notes on clothing have not been complied with, pupils may be excluded from activities.
Water pollution	<ul style="list-style-type: none"> • Practical work is not carried out where any kind of pollution is suspected. • Pupils wash hands thoroughly after activity and before eating. • No food is consumed while at a study site.
Unfamiliar countryside surroundings	<ul style="list-style-type: none"> • Adults supervise directly, for example walking beside the group and regularly checking that entire group is present.
Equipment	<ul style="list-style-type: none"> • Pupils are given clear verbal instructions on the appropriate use of equipment. • Pupils are supervised closely when using equipment.
Village roads	<ul style="list-style-type: none"> • Pupils are instructed to walk in single file or no more than two abreast using a pavement where possible. • The CEES leader walks ahead of pupils with one adult at the rear and other adults walking with their group.