

## Day Course Information: CEES at BURWELL HOUSE

# INVESTIGATING HABITATS and FOOD CHAINS



### KS 2 SCIENCE

<p><b>Learning Objectives During this Day Course pupils should learn:</b></p> <ul style="list-style-type: none"> <li>✓ To make predictions about the animals and plants that might be found in a habitat.</li> <li>✓ To use a variety of techniques to collect, identify and record plants and animals in a habitat.</li> <li>✓ That different animals and plants are found in different habitats and are adapted to conditions there.</li> <li>✓ That animals and plants are interdependent.</li> <li>✓ That food chains can be used to represent feeding relationships within a habitat.</li> </ul>	<h3>Day Course Programme</h3>										
<p><b>Pupils will also:</b></p> <ul style="list-style-type: none"> <li>✓ Learn safely in a new environment.</li> <li>✓ Gain an appreciation of the environment and understand their role in caring for it.</li> </ul>	<p><b>Introduction:</b> On arrival a CEES teacher will welcome your group to CEES' study centre at Burwell House and describe the day's programme and the learning objectives. The introduction will include a discussion about the plants and animals of pond and woodland habitats, and the associated food chains.</p> <p><b>Session A:</b> Through exploration, discussion and practical investigations, pupils will gain an understanding of the variety of life in grassland, pond and woodland habitats. They will sample and identify invertebrates in the pond, and will consider what the animals eat, or are eaten by. They will investigate and compare the animals and plants of grassland and woodland habitats, and draw conclusions about the habitat preferences of different species. Location options for this session are dependent on timings and preferences. On your booking form please indicate your choice of location 1 or 2:                  Location 1: The delightful grounds of Burwell House with its wild wood and pond.                  Location 2 where the length of your day is 5 hours or more: The unique Upware South Pit Nature Reserve, located 15 minutes away by bus.</p> <p><b>Session B:</b> This session is based in and around CEES' classroom at Burwell House and involves practical activities around the theme of woodland food chains. Following a discussion about owls and their adaptations, pupils will have the opportunity to dissect owl pellets to find out about the owl's food chain. They will also use clay to create an imaginary creature, focusing on its diet, behaviour, habitat and adaptations. The session will conclude with the creation of pupil-size food chains.</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><b>Adult : Pupil ratios</b>                  For this course CEES' recommended ratio for safety is <b>1 : 8</b>                  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</p> <p><b>Other information</b>                  Please see separate guidance notes on safe and effective day courses, including information on clothing and equipment.                  NB If choosing location 2, please arrange for your bus to be available during the day to transport the group between sites.</p>	<p><b>Relevant extracts from CEES risk assessments</b></p> <p><b>See also separate guidance notes on safe and effective day courses</b></p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Hazard</th> <th style="width: 50%;">Control measures</th> </tr> </thead> <tbody> <tr> <td>Extreme weather conditions</td> <td> <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> </td> </tr> <tr> <td>Uneven ground, low branches on trees, steep slopes, steps</td> <td> <ul style="list-style-type: none"> <li>• Pupils and adults are made aware of expected standards of behaviour and, for example pupils are instructed to walk, not run, to look ahead, and to stay close to their supervisory adult.</li> <li>• Pupils are closely supervised by adults at all times.</li> </ul> </td> </tr> <tr> <td>Walking and working beside water</td> <td> <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> </ul> </td> </tr> <tr> <td>Owl pellets</td> <td> <ul style="list-style-type: none"> <li>• Pupils with cuts, abrasions or skin allergies are given protective gloves.</li> <li>• Activities are closely supervised by adults.</li> <li>• Pupils are instructed to use tweezers to dissect pellets, and to avoid putting their hands in or near their mouth.</li> <li>• Pupils are instructed to wash hands thoroughly after the activity and before eating.</li> </ul> </td> </tr> </tbody> </table>	Hazard	Control measures	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>	Uneven ground, low branches on trees, steep slopes, steps	<ul style="list-style-type: none"> <li>• Pupils and adults are made aware of expected standards of behaviour and, for example pupils are instructed to walk, not run, to look ahead, and to stay close to their supervisory adult.</li> <li>• Pupils are closely supervised by adults at all times.</li> </ul>	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> </ul>	Owl pellets	<ul style="list-style-type: none"> <li>• Pupils with cuts, abrasions or skin allergies are given protective gloves.</li> <li>• Activities are closely supervised by adults.</li> <li>• Pupils are instructed to use tweezers to dissect pellets, and to avoid putting their hands in or near their mouth.</li> <li>• Pupils are instructed to wash hands thoroughly after the activity and before eating.</li> </ul>
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