

Session Outline

KS3&4: Woodland Management (April - October)

This outline is a general guide for what to expect during your session with us. Activities and session structure may vary depending on weather conditions and other circumstances.

National Curriculum links: KS3&4 programmes of study – Science: working scientifically, biology		
Learning Objectives	Session outline	Evaluation of Learners progress
<ul style="list-style-type: none"> • Applying knowledge of a range of techniques, apparatus, and materials to select those appropriate for fieldwork • Making a recording observations and measurements using a range of apparatus and methods • Methods of identifying and measuring distribution, frequency and abundance of species within a habitat • Levels of organization within an ecosystem • Some abiotic and biotic factors which affect communities & the importance of interactions between organisms in a community • The importance of biodiversity 	<p>Introduction The class will have a brief welcome and introduction to the day. We will discuss humans' historical uses for woodlands and the techniques used in managing woods for resources. We will think about the consequences of these techniques and why we continue to manage woodlands today.</p> <p>Activities Students will compare two areas of woodland to examine how different management techniques affect both abiotic and biotic factors. In each area, students will use random sampling techniques, including the use of quadrats on an xy grid, to measure percentage cover and biodiversity. Abiotic data including light levels and temperature will be recording and students will then use the data to figure out why the two areas differ.</p>	<p>To include: Discussion with students before, during and after the visit</p>
Pre Visit activities	Post Visit activities	Relevant activity risk assessments
<p>Visit http://www.theparkstrust.com/parks/map and find out more about the site you will be visiting. Discuss the different habitats within the site and the species you would expect to find there.</p>	<p>Visit http://smallwoods.org.uk/ and http://www.forestry.gov.uk/ to find out more about woodland management in the UK, on both a large and small scale.</p> <p>Plan how you would go about managing a small area of woodland. You would need to think about the ecological, economical and recreational impacts. Do you think it's an easy task? You could role play the different groups involved: local people, environmental group, woodland owner and forestry department (local government).</p>	<p>Guided walks</p>