



Introduction to Practical Forest Skills – Level 2

Guidance Notes

Page 2 – For this question your task is to think about carrying out work in a woodland and think about any pieces of PPE (personal protective equipment) that you may require. Think about possible obstacles and be sure to include what the different pieces of PPE are used for.

Page 3 – The risk assessment on page 3 would be normally completed during a site visit, but due to the current circumstances this is not possible. I would like you to think about when you have visited a woodland and think about any obstacles you may encounter. An example of the risk assessment is completed below to help give an understanding of how to complete the risk assessment.

Hazard	Danger	Control measures	Severity of injury High/Med/low	Likelihood Probable/Possible/ Remote	Risk factor High/Med/ Low
Tripping over tree roots	Tripping and falling	Be mindful of obstacles and uneven surfaces within a woodland. Highlight any stumps with marker spray	Low	Possible	Low

Page 4 – The next section is how you can identify dangers or obstacles within the woodland. Think about when you have entered a woodland in the past and try to include that woodlands are not man made, so they tend to have uneven footpaths and will often be wild and unmanaged.

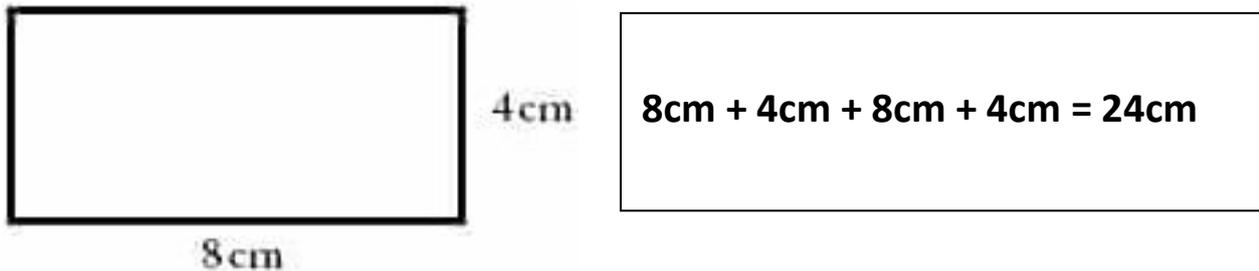
Page 5 – This section of the booklet requires going into the woodland and taking photos of obstacles or dangers. This will be carried out when you return to CAST.

Page 6 – Using the handouts on woodland management will help with answering the two questions on page 6. For the first question think about what materials we can use from a woodland and ensuring a range of different animals have a place to live.

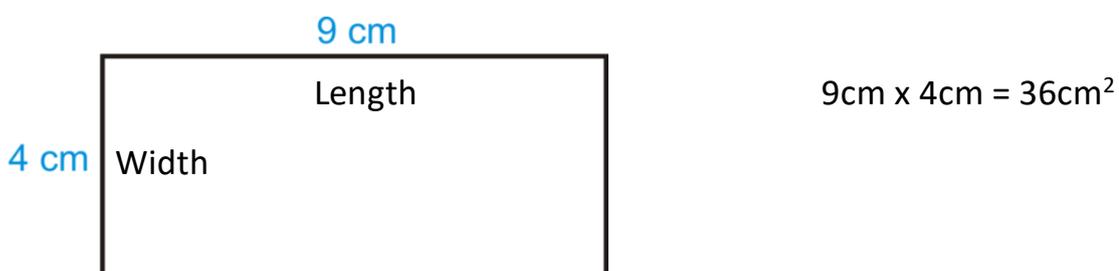
The second question is asking about the importance of managing woodland for biodiversity and conservation. This means what are the positive impacts of carrying out woodland management for everyone that uses the woodlands and the different animals and plants within the woodland.

Page 7 – This part of the unit will look at calculating perimeter and area. To calculate the perimeter of a shape you must add each side of the shape to work out the perimeter (the outer edge of the shape)

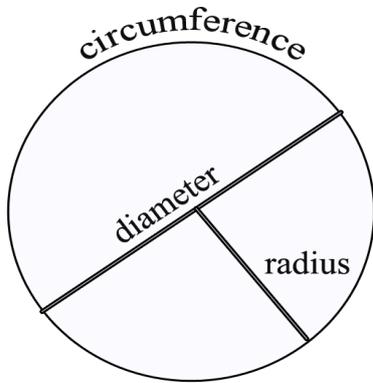
The example below will help give you an understanding of this.



Page 8 - This section will look at calculating area. To work out the area of a shape you must multiply the length by the width. The example below will help give you a better understanding.



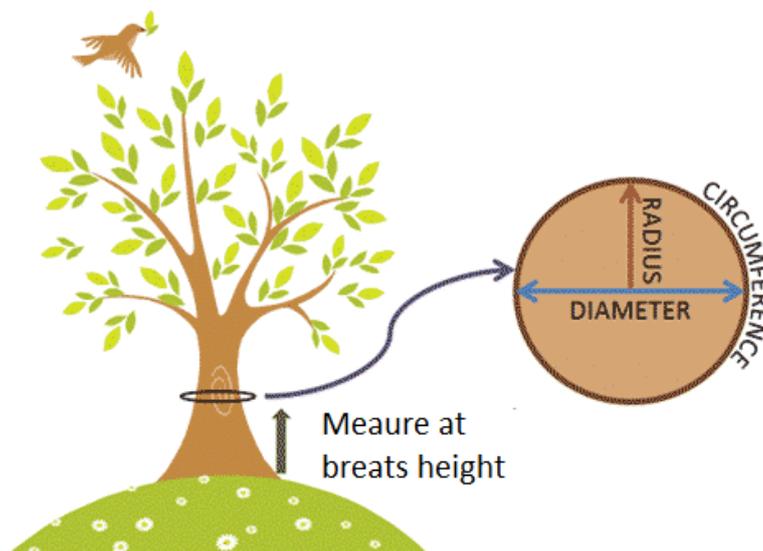
Page 9– This next section on radius, diameter and circumference can be a little tricky so it's a good idea to focus on just one at a time. The handout will help give you a better understanding of how to understand the different calculations.



The diagram to the left will also give you an understanding of the different parts of a circle and what you will be asked to calculate.

Page 10 – The next section will use the previous methods of calculating measurements of a circle. It is looking at the circumference of a tree (the distance all the way around the tree) and taking a measurement at breast height, usually between 4.5 feet or 1.3 meters. To carry out this measurement you will need to use a tape and take a measurement of the circumference of the tree. Shown in the picture below. Once you have gathered these measurements, input the information into the table and then move onto calculating the diameter and radius.

Please ensure you on take measurement from trees that are within your own garden during this time.



Page 11 – For this first section of the unit you will be looking at different ways of extracting/removing timber for the woodland. Think about the different way's materials can be removed from the woodland including machinery and equipment.

The next question will look at how the way in which we will remove timber from the woodland. Think about what resources we have available and the picture on the bottom of page 11 will help give you an idea.

Page 12 – The following three questions are all based around felling, stacking and extracting timber from the woodland. You need to imagine you are felling a small tree using a bow saw. You need to fell, cut logs to size and then extract the timber. Now think about what kind of PPE you will require to carry out this operation. Make a list on for the first question and give as much detail as possible.

You now need to think about what types of trees will need to be extracted or some of their branches removing. Think about the space needed to grow and any health issues the tree may have, refer to “The 3 D’s” handout for help.

The final section of this page is about teamwork and how effective teamwork can help get the job done. Your task is to explain how teamwork can benefit the activity and be sure to include how to stay safe within your team.

Page 13 – This section will be carried out when you return to CAST.

Page 14 – This question is looking at what impact forestry operations or removal of woodland will have on both the different habitats and water courses. Firstly think about the impact it could have on the different animals that call the woodland home. Think about their habitat as well as their natural diet.

Secondly what impact will happen with water courses. A water course is a river/stream/brook etc. Try to include how much water trees need each day to survive and if there are no trees, what will happen with the excess water.

Page 15 – For the final question you must identify what to do with any waste accumulated from carrying out the forestry operations. Think about natural waste, this could be small branches that have no real use other than recycling. Also try to include what you can do with the left-over waste materials.