

TREE SURVEY ACTIVITY BOX

INSTRUCTION SHEET

CONTENTS

Within this box you will find:

- 3 x 30 tape reels
- 3 x 1m rulers to create shadow metres
- 6 x 1.5m (approx.) rope for measuring shadow metres
- 6 Clinometers
- 6 Clipboards
- 6 Whiteboard markers in a pencil case
- 6 Leaf-i-deals
- 6 x 30cm pieces of card
- 1 "How to find the height of a tree" set of instructions
- 1 "How Old is that tree" set of instructions
- 6 Tree Survey worksheets

Please return the box and its contents in the same condition you found it, such that the next group can have the same amount of enjoyment using it.

If there is anything missing please notify the Warden so the box can be replenished.

INSTRUCTIONS

There are two activities you can run

1. Detailed Tree Survey
2. General Tree Survey



DETAILED TREE SURVEY

Mark out a small area containing 5 or 6 trees. Draw a map of where these trees are, giving each one a separate reference.

For each tree complete the following:

1. Work out the type of tree using the leaf-i-dial
2. Measure its circumference using a tape measure
3. Calculate its diameter
4. Calculate its height (see separate instruction sheets)
5. Calculate the age of the tree

There are 5 height measuring methods to choose from. Depending on the skill of the participants choose an appropriate method.

Method 1 - Comparing against other objects (6-8 years olds)

Method 2 - Looking through your legs (8-10 year olds)

Method 3 - Ratio Stick (8-14 year olds)

Method 4 - Shadow meters (10-14 year olds)

Method 5 - Clinometer (10-14 year olds)

GENERAL TREE SURVEY

Carry out a tree Survey to identify the various trees growing at Hallowtree and mark them using symbol or letters on the Hallowtree map. Include a legend or key to explain your symbols and letters.

