

## HAVE FUN WITH ACER!

Measure your tree, then calculate the carbon stored in it!

### Step 1. Make your own Diameter Tape

Step 2. Measure the circumference of your tree in centimetres.

Step 3. Use a formula to change circumference to diameter for carbon calculations.

### STEP ONE Here's how to make your own diameter tape for tree measurements

FIND a clean yogurt cup, 310+cm piece of string, 1 washable & 1 permanent marker, duct tape, scissors.

1. Make a small slit/hole in the side of a clean yogurt cup.
2. Measure and cut off 310+cm of string - so at least 300cm after the BIG knot.
3. Poke one end of the string through the hole.
4. Tie a big knot inside the cup and pull the knot tight against the inside of the cup.
5. Tape the loose end down inside the cup with duct tape. Mark the cup outside as "0" m for measuring.



6. Use a ruler or metre stick to measure out 1.3m (130cm) of string from the cup. (1m=39.4 inches)
7. Make a duct tape "tab" shown here using a permanent marker.  
AND write "1.3m" on this tab. (the height of standard measurement for tree diameter or DBH)



9. Make a duct tape "shoe lace end" on the loose end of the string - so it doesn't fray.



10. Wind the string around cup and go outside to measure your tree's DBH in **STEP 2**.

