

HAVE FUN WITH ACER!

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

Step ONE. Make your own Diameter Tape with a pencil and string then...

Step 2. Measure the circumference of your tree in centimeters and change to diameter*

Step 3. Enter the tree name and diameter in the carbon calculator for your tree.

STEP ONE Here's how to make your own pencil diameter tape (DBH) for tree measurements.

FIND a pencil and about 210cm piece of string, 1 washable & 1 permanent marker, scissors, data page.

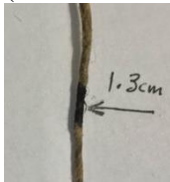
Note: There is another design with yogurt cup, duct tape and string under "Resources for Teachers."

1. Tie a tight, BIG knot around a pencil. This will be "0" m mark.
2. Measure and cut off about 210+cm of string - so at least 200cm after the knot for big trees.



3. Use a ruler or metre stick to measure out 1.3m (130cm) of string from the knot. (1m=39.4 inches)
Mark with a permanent black marker at 1.3m as shown here.

(This is the height for standard measurement of tree diameter or DBH)



3. Make a BIG knot on the loose end of the string - so it doesn't fray.



AND Wind the string around pencil.



1. Make a tree data page with columns - **Tree #, Colour, and Circumference**. Read STEP2!
2. Take your new DBH tape, pencil and tree data page and washable marker **OUTDOORS**.
3. See How to measure!
4. **INDOORS** change* Circumference to Diameter* $\text{Diameter} = \text{Circumference} / 3.14$ **OR** $(D=C/\pi)$
5. ADD a "Diameter" column to your data page and enter your calculated diameter.
OR download [My ACER Tree Data Sheet.xls](#) and complete your tree data file.