

Name:		Email (for prizes)	
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## May Trees Surround Us

Measure the circumference of big trees. Wrap a string around the trunk at 4 ½ feet above the ground, or breast height. Mark the string so that you can measure it with a tape measure. Identify the type of tree and record the county where you found it. Below are resources to help you identify trees.

Online NC Tree ID Guide from NC State University

<https://projects.ncsu.edu/cals/plantbiology/ncsc/tnc/index.html>

Common Forest Trees of NC from NC Forest Service

<https://chatham.ces.ncsu.edu/wp-content/uploads/2015/07/CommonForestTrees2012.pdf>

Make sure it is safe to measure the tree. Choose trees in your yard, parks or other public places that are easy to get to. If trees are on private land, make sure you have permission to measure them. Take photos of the trees if you are competing for prizes.

*Learn how to identify poison ivy by its 3 leaves and hairy vines.*



	Tree Species (Bonus: include scientific name)	County in NC	Circumference (inches at 4.5' high)	Optional: Diameter (inches)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

**Bonus:** Find the Diameter at Breast Height (DBH) of trees by dividing the Circumference by the number Pi ( $\pi$ ). The circumference of a circle is Pi times its diameter ( $C=\pi d$ ). Pi is the ratio of a circle's circumference to its diameter. It's an infinite decimal that begins with 3.14, but the decimals go on forever!

Add the total of the circumferences from all your widest trees. For the grand prize total, you may only include one circumference measurement for each species of tree. Include as many different tree species as you wish and use additional pages if needed.

Total # of trees		Total Circumference (inches)	
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For prizes, email your completed sheet to [bigtrees2020NC@gmail.com](mailto:bigtrees2020NC@gmail.com) by June 5<sup>th</sup>, 2020. If you are under 18, get permission from a parent or guardian to participate. Attach a small photo of each big tree that you are including in your circumference total. The grand prize for total circumference of all trees is a genuine Ashe Tree baseball bat and a 2020 annual pass to North Carolina State Parks. Up to 100 smaller prizes will be awarded for the widest tree of each species.