

Group #: _____

Station Title: Old & Small, Young & Tall; Differences in Nature

Group Members:

Roles:

Table # 1

	Tree # 1	Tree # 2
Age of Tree		
Age of Group		
Difference in Age		

Table # 2

Tree	Circumference
Oldest Eastern Hemlock	
Youngest Eastern Hemlock	

Which has the largest circumference?

Compare the age of the tree to the circumference. Does your answer make sense? Why or why not?

Title: Old & Small, Young & Tall; Differences in Nature	Subject: Mathematics	Grade: 3-6*
Outcomes	Lesson	
<ul style="list-style-type: none"> Realizing Trees as Living Organisms that grow and age and adapt Comparative assessment Addition, Subtraction and Circumference 	<ul style="list-style-type: none"> Discuss topics such as circumference and basic mathematical questions such as addition and subtraction in the class to prepare your students for this lesson. Ensure that your class understands the need to work together as a team to answer the related math questions. Your group can help each other solve each problem and in turn discuss how you found the solution. For Problem #1: Look at the two Eastern Hemlock trees that are labeled with their age. Find the sum of the ages of everyone in your group; subtract this number from the age of the trees What is the difference in age between you and the trees? Fill out the chart with the appropriate numbers For Problem #2: What is the circumference of both Eastern Hemlock trees (how big around are they)? Use the string and measuring tape provided. Fill out the chart provided with the numbers you've found Who has the largest circumference? Does the size of the trees relate to the age of the trees? Does this answer make sense? Why or why not? Write down what you think about how trees grow and why some might be old and small, and some might be young and tall. 	
Literacy Connection: Classification		
Fantastic 4 Connection: Team Work Respect for Environment		
Outdoor Location: Baille Ard Trails: Station # ___	Materials Required: Measuring tape Piece of string (6 ft)	
Assessment: Mathematical Evaluation Estimating the Effects of an Ecosystem on its Living Organisms		