

# LEAF Activity

## HEIGHT & AGE OF A TREE

Suitable for  
AGES 10+

LEARNING  
ABOUT  
FORESTS

NAME: Student 1: \_\_\_\_\_

Student 2: \_\_\_\_\_

### Exercise 1: Measuring Approximate Height of a Tree

#### Instructions:

- Student 1 stand with your back towards a tree, bend over and look between your legs, move back or forth, till you can see the top of your tree
- Student 2 measure the distance between student 1 and the tree = ( \_\_\_\_\_ )  
*Your biggest step is approximately 1 meter - count your steps from student 1 to the tree*
- Student 2 measure the length of one leg of the student 1 = ( \_\_\_\_\_ )
- Add to the two measurements together



leg \_\_\_\_\_ + distance \_\_\_\_\_ = \_\_\_\_\_ height

### Exercise 2: Determining the Approximate Age of the Tree

#### Instructions:

- Student 1 use the measuring tape to measure the distance from the ground to the height of the 150 cm (1.5m) above the ground
- Student 2 hold your finger at that height on the tree trunk
- Student 1 measure the girth (circumference) of the tree trunk using the measuring tape at the level where the student 2 is holding their finger. The Girth = ( \_\_\_\_\_ cm)  
*On average a tree grows out approximately 2.5cm per year*
- Take the measurement of the tree girth in centimetres and divide by 2.5

(girth) \_\_\_\_\_ cm  $\div$  2.5 = \_\_\_\_\_ age of the tree