

## EXTRA CREDIT TRIVIA FUN!

1. Which is the most common gas in the atmosphere?
2. What makes up the Earth's core?
3. What is the world's deepest ocean?
4. Which fuel is formed by the fossilization of plants?
5. What kind of tide occurs at full Moon?
6. What kind of natural phenomenon 'meanders'?
7. Is the wood of a coniferous tree hard or soft?
8. Which three coniferous trees are native to Britain?
9. Which tree do we get turpentine from?



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# Brentsville Trail Guide Journal & Workbook



Brentsville Courthouse Historic Centre  
12229 Bristow Rd  
Bristow, VA 20136  
703-365-7895



To complete this workbook, explore the Nature Trail and all the grounds of Brentsville Courthouse Historic Centre.  
When you've completed this booklet, please visit the historic interpreter on duty to **receive your FREE Trail Guide wristband!**  
ACCOMPLISH TASK & CHECK EACH BOX

**Pick up any trash found/Use Recycle bin.**

**Do a leaf rubbing & draw picture on last page.**

**Complete the Nature Trail Hike (*at least twice*)**

**Identify 3 different birds you saw or heard:**

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

**Name 2 different DECOMPOSERS that you found on the trail:** \_\_\_\_\_, \_\_\_\_\_

**Complete matching habitat exercise.**

**Answer all the questions in workbook.**

**Take at least one PWC historic site tour.**

**Share what you've learned with someone.**

**\*Promise to help take care of Brentsville's Nature Trail and the environment by sharing what you've learned and Suquamish Chief Si'ahl's words:**

*"Take nothing but memories and leave nothing but footprints."*

**Your Initials** \_\_\_\_\_

**Staff Initials** \_\_\_\_\_

**Put a leaf or tree bark under this page and rub with a crayon, chalk or even dirt, to achieve a rubbing image.**

**Draw a picture of your favorite things in nature or an image that teaches others something important to know about our natural environment.**



## Do you ever wonder how old the trees are?

You can figure it out with a formula developed by the International Society of Arboriculture (ISA). Keep in mind, each tree species has a different growth factor and growth rates vary due to climate, rainfall, root stress and other factors, therefore the formula is an estimate.

**Growth Factor X Diameter = Approximate age of tree**

Black Walnut tree growth factor: **4.5**

White Oak tree growth factor: **5.0**

**OR**

You can count the growing seasons by looking for the dark ring (Summer season)+ the light ring (Spring season) and count those together as 1 year.

There are 3 types of Honey Bees in a hive:



There can only be **1 queen** in each hive and only she can lay eggs.

**Drones** are all males and their only job is to fertilize the queen. (May be several hundred drones in a hive)

**Worker** bees are all female and they do ALL of the work: building combs, collecting/storing nectar & pollen, feeding larvae, cleaning the hive, and protecting hive from invaders (can be 20,000-80,000 workers in a hive). Below are images of different ways you might see honey bees...

**~Never disturb a hive box or hive in a tree.**



1. What is the Virginia State Bird? \_\_\_\_\_
2. What is the name of the tributary on our trail?  
\_\_\_\_\_
3. Name 3 types of trees on the Nature Trail:  
\_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_
4. Which type of bee lays eggs to make new bees? \_\_\_\_\_
5. What do squirrels save to eat later? \_\_\_\_\_
6. Which tree has a leaf that looks like a tulip? \_\_\_\_\_
7. Should you go near or open a beehive box if it is not yours? \_\_\_\_
8. What would you do if you saw a turtle walking along the trail?  
\_\_\_\_\_
9. List 3 ways you can help protect/preserve the environment:
  1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
10. How can you get the approximate age of a White Oak tree?  
\_\_\_\_\_
11. How old do think the tree was that is attached to Trail Marker #2? \_\_\_\_\_
12. What method did you use to guess the age?  
\_\_\_\_\_