**Tree Identification Field Guide (45 pts) Due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Save your incomplete project: click “Save as”, “My Documents”; type your name, class period, title of project.**

**Save your completed project: put in “Student/Teacher Shared Folder”: click “Save as”, “Computer”, “Student Shared Folder”, “Hidalgo”, “your class period/Environmental Science”.**

**Create a table, click “Insert”, “Table” then scroll down to “Insert Table” and type in 2 columns and 15 rows (15 trees). Type your name on top of every page.**

**Left:**

 1) Name of tree

 2) Pictures of the trees' LEAVES, BARK, (and when possible) NUTS or FRUITS. (1 pt)

 **Right:**

 3) Key points to identify tree: (1 pt)

 ***Leaf Arrangement:*** Opposite/Alternate/Whorled

 ***Leaf Type:*** Broad & Flat, Needles, Scale-like, Awl-like

 **Leaf Structure:** Simple or Compound : palmate, pinnate (even or odd)

 4) ***Insects / diseases*** that effect each tree, (ex. insects, fungus, etc.) (1 pt)

 5) \*Extra Credit: ***Fun Fact***

\*More links on Hidalgo Neshaminy website

Identifying Pennsylvania Trees <http://www.yorkccd.org/wordpress/wp-content/uploads/2009/11/Tree-Identification-PowerPoint.pdf>

Diseases: [www.treehelp.com](http://www.treehelp.com)

Pa State Forest <http://www.cookforest.com/articles/facts-about-stateforests.cfm>

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| **Pignut Hickory**https://upload.wikimedia.org/wikipedia/commons/thumb/4/40/Pignut-hickory-nut.jpg/220px-Pignut-hickory-nut.jpgImage result for pignut hickoryImage result for pignut hickory | ***Leaf Arrangement:*** Alternate***Leaf Type:*** Broad and Flat***Leaf Structure:*** Odd pinnate compound***Insects/Diseases:*** **common disease of pignut hickory from Pennsylvania southward is a trunk rot caused by Poria spiculosa. More than 100 insects have been reported to infest hickory trees and wood products, but only a few cause death.**\****Fun Fact:*** Pignut hickory frequently grows on dry ridgetops and side slopes throughout its range but it is also common on moist sites, particularly in the mountains and Piedmont. |
|  | ***Leaf Arrangement:******Leaf Type:*** ***Leaf Structure:*** ***Insects/Diseases:******\*Fun Fact:*** |
|  | ***Leaf Arrangement:*** ***Leaf Type:*** ***Leaf Structure:*** ***Insects/Diseases:******\*Fun Fact:*** |

1. *Pinus strobus* – Eastern White Pine

2 Acer saccharum – Sugar Maple

3. *Acer rubrum* - Red Maple

4. *Fagus grandifolia* - American Beech

5. *Prunus serotine* - Black Cherry

6. *Carya ovata* -Shagbark Hickory

7. Tsuga canadensis- Eastern Hemlock (Pa State Tree)

8. *Cornus florida* - Flowering Dogwood

9. *Fraxinus americana* - White Ash

10*. Liriodendron* - Tulip Tree

11. *Quercus rubra* - Red Oak

12. *Quercus alba* - White Oak

13. Juglans nigra - Black Walnut

14. Rhus glabra - Smooth Sumac

15. Robinia pseudoacacia - Black Locust