

Leaf Collection Assignment

Science Grade 7



Objectives:

- To make detailed observations of fall foliage
- To differentiate between different kinds of trees/leaves
- To use a tree guide to aid in classifying, and organizing leaves of locally species



Tree List: Use this list to help you in getting started: Refer to the checklist given in class for collection. The below list are trees that you can collect from.

Elm	Hickory	Sweet Gum	Willow
Beech	Tulip Tree	Dogwood	Ginkgo
Maple	Oak	Sycamore	Etc.....



Requirements: You will create a Leaf Portfolio

- **Cover Page:** Title, Name, Date, Period
- **Collect leaves and place them in a zip lock bag. Flatten as soon as possible to avoid splitting.**
- **1 leaf centered per page with pressing:**
- **Pressing:** Leaves need to be pressed between newspapers under heavy books for **3 days** before they can be glued.
- **Mandatory Leaf Information:** *using the guide given in class or the websites below find and the following:*
 1. Common Name of Leaf (<http://www.oplin.org/tree/>)
 2. Where & when you found it. Town, Park, Province, Date
 3. Simple or Compound Leaf : Label the Blade, Leaflet, Veins, Petiole(<http://www.cas.psu.edu/docs/CASDEPT/Hort/LeafID/Shape.html>)
 4. Venation Pattern: Parallel, Palmate, or Pinnate
 5. Margin Type: Smooth, Serrated,
 6. Lobed (<http://www.cas.psu.edu/docs/CASDEPT/Hort/LeafID/Margins.html>)
 7. Write an interesting fact about each of your leaves / Nuts, Etc..
- **2 leaves may be rubbed.**
 - **Rubbing:** Place leaf under white computer paper and rub entire leaf with a pencil, colored pencil or crayon. Be sure to include **all** edges.
- OR:
- **2 leaves may be scanned**
 - **Scanning:** Place leaf under scanner, "top" side on glass. You **must** copy-right your scan (give a source), place an index card with your **name and date** on it and scan it as you scan the leaf. No exceptions. Print out picture.



Grading Scale:

5- Leaves Properly Pressed & Classified = C	5+ Leaves Properly Pressed & Classified = B-	10+ Leaves Properly Pressed & Classified = B
15+ Leaves Properly Pressed & Classified = B+	20+Leaves Properly Pressed & Classified = A-	25+ Leaves Properly Pressed & Classified = A



LEAF COLLECTION ASSIGNMENT PORTFOLIO DUE: NOVEMBER 4th_

SAMPLE PAGE

NAME OF LEAF



Place Leaf Here

IDENTIFICATION COMPONENTS

Leaf Collection Reflection Page



1. Are you satisfied with your final project? Explain why/why not.
2. What have you learned about this field of study?
3. How will you use this field of studies information in the future?
4. What was the most rewarding part of this project?
5. What was the most frustrating aspect of this project?
6. What suggestions do you have for improving/modifying this assignment for next year?
7. What advice would you give to next year's classes who will be completing this project?
8. YOUR OWN COMMENTS HERE. Is there anything I should know about when grading this paper?

Name _____

Class _____

Leaf Identification Collection Project Rubric

You must collect 11 different leaves, locate where these leaves were found and identify them correctly using a dichotomous key.

Leaf Project Points of Emphasis	Points Possible	Your score
1. Cover Page	5	
2. Table of Contents	5	
3. Creative & Well Organized Display	10	
4. Classification/ Identification	20	
5. Reflection	5	
6. Cited Sources	5	
Total Points Possible	50	
Your Overall Points		

Late assignments will not be accepted.

All sources must be cited correctly

Absolutely No Plagiarism

Plagiarism:

"the act of passing off ideas or writings of another as your own."

