

Plant Collection Project List (Ag Science)

Below is a list of plants that could be covered during class time on our plant collection walks. You will receive a complete list of plants covered on each walk and be responsible for the quizzes. Your plant book must have at least 15 plants. Around 20 to 25 plants will be covered in class (depending on time and weather). You can collect up to 5 additional plants (3 points each) for extra credit if you correctly identify and complete the plant collection page information.

You need to have the following quantities of each type of classification in your plant book. Each plant can fit into more than one category, but you may only use each plant once in your book.

Classification	Quantity
Deciduous	4
Evergreen	2
Needle type	1
Scale type	2
Broadleaf type	3
Vine	1
Invasive	2
Total	15

RUBRIC - Ag Science Plant Collection

Collection contains fifteen samples of plant ID material.....30 points
Collection has examples of each classification type.....40 points
Collection is neatly identified and organized.....10 points
Each sample is properly labeled, mounted and clearly identified.....20 points

TOTAL: 100 points

Here is a list of plants on campus that we may visit.

1. American Dogwood
2. American Holly
3. Arborvitae
4. Blackberry
5. Butterfly bush
6. Callery Pear
7. Chinaberry
8. Creeping Liriope
9. Crepe Myrtle
10. Daylily
11. English Ivy
12. False Cypress
13. Greenbriar
14. Glossy Abelia
15. Hickory
16. Honeysuckle
17. Japanese Maple
18. Knockout Rose
19. Kudzu
20. Leyland Cypress
21. Loblolly Pine
22. Muscadine
23. Nandina
24. Northern Red Oak
25. Parson Juniper
26. Pecan
27. Privet
28. Pokeberry
29. Red Loropetalum
30. Red Maple
31. River Birch
32. Sasanqua Camellia
33. Sawtooth Oak
34. Scarlet Oak
35. Silver Maple
36. Smartweed
37. Southern Magnolia
38. Southern Red Oak
39. Sugar Maple
40. Sumac
41. Sweet Gum
42. Tea Olive
43. Threadleaf False Cypress
44. Threadleaf Japanese Maple
45. Water Oak
46. Wild Blackberry
47. White Clover
48. White Oak
49. Willow Oak
50. Yaupon Holly

Plant Collection Mounting Page Information

Below is a list of information you will need to include on each of your leaves' mounting pages (the page you will glue your leaf to after it is pressed for at least a week). You may use the USDA plant database to help with this task (<https://plants.usda.gov/home>).

When you use the search bar to the left of the webpage, you change the drop-down menu from "Scientific Name" to "Common Name."

After your leaf is properly mounted on the white copy paper, please list the following information in the top right-hand corner and the bottom left-hand corner.

Top Right Corner

- Common Name
- Scientific Name
- Collection Location (ex: Seneca High School, Chick-fil-a in Seneca parking lot, etc.)

Bottom Left Corner

- **Winter:** (Deciduous or evergreen)
- **Growth Habit** (grass, vine, groundcover, forb, shrub, or tree)
- **Description of Appearance** (at least 3 specific characteristics about the height, bark, flowers, leaves, shape, etc. - what could be used to identify it properly) **Can be bullet points**
- **Use:** provide at least 1 reason why the plant is used in the landscape

Plant Classification Vocabulary

Leaf Type

1. Needle -
2. Scale -
3. Broadleaf -
4. Grasslike -

Leaf Retention (what it looks like during the winter)

5. Deciduous -
6. Evergreen -

Stem Structure

7. Woody -
8. Herbaceous -

Growth Habits

9. Grasses -
10. Vines -
11. Forbs -
12. Shrubs -
13. Trees -

Extra

14. Native -
15. Non-native -
16. Invasive -