Module 1: Discovering Your Botanical History

5E Lesson Outline

| 5E Phase | Activity | Materials/Handouts | Other Notes |
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| Engage(Introduction)(6-10 mins) | * Brainstorm the following questions: Can you identify a plant that played an important role in your family’s history? How have plants impacted your family’s life or that of your ancestors?
 |  | This may be performed at the very end of class to set up instruction for the next day |
| Explore(Homework) | * Students conduct interviews with family members/loved ones to identify a significant plant in their family history
* Students will provide images of their plant
 | * Botanical History Journal 1.1
* Image(s) of plant chosen (digital or physical)
 | Plant chosen must be able to be physically brought into class for future modules |
| Explain(>45 mins) | * Students present their botanical history interviews/plant images
* Herbarium staff member and online resources will be used to determine the scientific name of their plant
 | * Botanical History Journal 1.1
* Image(s) of plant chosen
* Visual Guide to Important Plant Families
* Economically Important Plant Families List 1.2
 | If students finish early, begin the next activity |
| Elaborate(20-30 mins) | * Students make note of any trends in the plants chosen by the class and discuss
* Optional: Calculate how many plant families and unique species are represented and graph the trends
 |  | Graphing may be used as a supporting activity if time permits |
| Evaluate(10-15 mins) | * Based on trends that were discussed or graphed, evaluate why some types of plants are more frequent in the class than others to answer the closing question: What kinds of plants are the most important to humans, from the past to the present?
* Students will record their plant information in a google form link
 | * Economically Important Plant Families List 1.2
* Botanical Histories Google Form
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