**Wild Plant Intensive Advanced Path Study Guide and Criterion 2023**

**Criterion 1: Plant Biology and Morphology: (On written test on Saturday in October 2023)**

*Define/explain the following in basic concepts***.** You can find resources on plantdorks.com or you can just research on internet/books yourself. You must have complete descriptions of each to pass for advanced certification

* **Photosynthesis:**
* **Xylem and Phloem:** *what are they? What do they do?*
* **Chlorophyll***: What are they made out of? What do they do?*
* **Angiosperm vs. Gymnosperm:** *Explain reproductive parts and cycle*
* **Secondary Metabolites:** *(three classes that represent plant medicines and examples of each class (aka-terpenes contain volatile oils)*
* **Difference between perennial, annual, biannual, woody, herbaceous and**
* **Plant Families:** 10 plant family’s floral formulas; Botanical family name and ability to name one native species per family(common and botanical name)

***The Plant Families:***

**Plant Families:**

**March:** *Mustard*

**April:** *Rose/Aster*

**May:** *Carrot/Saxifrage*

**June** *Buttercup/Pea*

**July:** *Lily/Heath*

**August***: Figwort*

**September:** *Birch/Willow (not on test)*

**ONE EXAMPLE FOR EACH**

**Criterion 2: Ethnobotany and Ecozones: (On written test on Saturday in October 2022)**

**Be able to:**

* **Name, identify specific regions of the tribes:**

Coastal Salish/Salish**: Upper Skagit, Methow** and **Lower Elwha Kllalam**

Sahaptin: **Yakima Nation**

Wakashan: **Makah**

**\*Example of something you saw in the cultural centers**

* **Distinguish two native plant species per region and why it is culturally significant per cultural group.**
* **What are potential ethical issues surrounding ethnobotany?**
* **What are the ecozones? Where are they? Abiotic description and common plants in these Ecozones (you will be provided with a map to label-this will be a multiple-choice part on your exam)**

***Ecozones***

**1. Low Montane Westside Forest**

**2. Low Eastside Montane Forests**

**3. Old Growth Forests**

**4. Subalpine**

**5. Beach/Estuary**

**6. Sagebrush Steppe**

**7. Riparian**

**Criterion 3:Hands On Projects: (Bring to class on Sunday of the October 2022 weekend)**

**We require that you have** *two projects completed* ***per*** *subject:*

* ***Edible Plant Project***
* ***Medicinal Plants Project***
* ***Plant Fiber Project***
* ***One of Your Choosing***

**Criterion 4: Herbarium: (Bring to class on Saturday of the October 2022 weekend)**

* **20 plants pressed and mounted with date, location, common name and botanical name listed**

**Criterion 5: Plant Journal Profiles: (Bring to class on Saturday of the October 2022 weekend)**

* **20 plant profiles from 10 different families (must use one of the outlines for this provided).**

**Criterion 6: Plant Species Field Eval**

* **Species Field ID eval of common species (COMPLETED IN SEPTEMBER)**