**Wilderness Awareness School's Plant Intensive 2022:**

***Advanced Path Certification Requirements***

***Everything in BLUE will be on a written and field exam for PRIMARY CERTIFICATION in AUGUST 2021. Additional Advanced PATH Criterion are marked in RED.***

**Criterion 1: Plant Biology and Morphology**

*Can define/explain the following in basic concepts***: (Written Test)**

* **Photosynthesis**
* **Xylem and Phloem**
* **3 Plant cell types**
* **Basic Plant Hormones & Function**
* **Chlorophyll**
* **Angiosperm vs. Gymnosperm**
* **Horticulture Techniques (Basic Concepts)**
* **More leaf margins and shapes**
* **Secondary Metabolites (three classes that represent plant medicines)**
* **Difference between perennial, annual, biannual, woody, herbaceous and parasitic**
* **10 plant family’s floral formulas and ability to name one native species per family (common and botanical name)**

**Criterion 2:Hands On Projects**

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

* ***Edible Plant Project***
* ***Medicinal Plants Project***
* ***Plant Fiber Project***
* ***Propose Your Own***

**Criterion 3: Ethnobotany and Ecozones**

**Be able to:**

* **Name, identify specific regions and tribes within the three cultural groups we are covering:** Wakashan, Coastal Salish and Sahaptin
* **Distinguish one native plant species per region that is culturally significant per cultural group.**
* **What are the ethical issues surrounding ethnobotany?**
* **What are the ecozones? (you will be provided with a map to label-this will be a multiple-choice part on your exam)**

**Criterion 4: Herbarium**

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

**Criterion 5: Plant Journal Profiles**

* **20 plant profiles from 12 different families (must use one of the outlines for this provided). *You can do the plant profiles on the plants in your herbarium if you wish!***

**Criterion 6: Field Eval**

* **Species ID of common plants and trees in Puget Trough (species list TBA) during a field test. This will be more advanced by possibly requiring common, botanical and family names and uses.**

*The final hands-on projects, herbarium and plant journal profiles need* ***to completed by the beginning of our last weekend in October 2023.*** *Please contact me if you EVER need help or guidance in fulfilling this criterion.*

**Advanced Path Days:**

You will be coming on the same class days as the Primary Path students. You will have either Rachael Witt or Lindsay Huettman depending on the content. We will be deepening each month's lessons with you as well as supporting you on your certification path.

**Some additional topics to be covered during Advanced Path Days:**

**~Advanced Identification: Common and Botanical names & Sensory ID**

**~Plant Families and Phylogeny of those families**

**~Plant Biochemistry as it relates to plant medicine, food and fiber**

**~Plant Ecology of the PNW: truly knowing the 8 ecozones**

**~Advanced Plant Medicine skills**

**~Plant Intuition and Healing**

**~Horticultural Skills for the gardener and forager**

**~Supporting you individually on completion of your requirements**

**~New locations and field trips not offered to Primary Students**