

*Middle School Native Plant Habitat Restoration Education Activities*  
 Time Required and Description of Materials Needed

<b>Title</b>	<b>Time</b>	<b>Props/ tools</b>
<b>Native Plant Identification Activities</b>		
<b>Ancient Knowledge</b>	.25	<ul style="list-style-type: none"> <li>Plant/Logo cards</li> </ul>
<b>Native Plants &amp; People</b>	.25	<ul style="list-style-type: none"> <li>Raw fiber from cotton, flax and/or fireweed</li> <li>Examples of ethnobotany materials from any culture (handmade paper, baskets, natural dyes, plant foods, etc),</li> <li>Native/non native plant list with wildlife plants, naturalized etc. coded,</li> <li>Definitions,</li> <li>World map showing ecospheres</li> </ul>
<b>Gaining Knowledge</b>	.5	<ul style="list-style-type: none"> <li>Jeweler's loupes,</li> <li>Fresh or Herbarium plant samples</li> <li>Taxonomy Plant List worksheet</li> <li>Taxonomy Definitions</li> <li>Chalkboard or other</li> </ul>
<b>Plant Scramble Game</b>	.5	<ul style="list-style-type: none"> <li>Plastic bags with key characteristic plant parts, name labels, and plant photos</li> <li>Suggested plant list by seasons</li> <li>Suggested plant parts for plants/ key characteristics</li> <li>Jeweler's loupes</li> </ul>
<b>Plant Observation Skills</b>	.75-1.0	<ul style="list-style-type: none"> <li>'Plant Observations Skills- Leaf Descriptions' master and student sheets</li> <li>'Leaf Description Definitions' master and student sheets</li> <li>Branch Descriptions and Definitions master and student sheets Jeweler's loupes magnifiers</li> </ul>
<b>Seasonal Native Plant ID Walk</b>	.75-1.0	<ul style="list-style-type: none"> <li><i>Starflower Native Plant ID Cards</i></li> <li>School grounds map</li> <li>Seasonal native plants/ key characteristics, lists/photos/ interesting facts</li> <li><i>Plants of the Pacific Northwest Field Guide</i></li> </ul>
<b>Leaf Rubbings and Taxonomy</b>	.75-1.0	<ul style="list-style-type: none"> <li>Leaf shape and edges form master</li> <li>Blank drawing paper, drawing pencils and clipboards for each student</li> </ul>
<b>Native Plant Posters</b>	1.0	<ul style="list-style-type: none"> <li>Color pictures of native plants</li> <li>Plant pressing or parts (dried)</li> <li>Plant community lists</li> <li>Poster board</li> </ul>
<b>Plot Plant Assessment</b>	.75	<ul style="list-style-type: none"> <li>Plant Assessment form master,</li> <li><i>Starflower Native Plant ID Cards</i></li> <li>Herbarium press</li> <li><i>Plants of the Pacific Northwest Field Guide</i></li> <li>Markers/flags/stones etc to mark perimeter of plot</li> </ul>
<b>Dead or Dormant</b>	1.0	<ul style="list-style-type: none"> <li>Images: "Dormant, Herbaceous and Dead"</li> <li>'Starflower Plant ID Cards'</li> <li>Optional: 4"- 1 gallon containerized herbaceous perennial (ideally a ground cover species such as false lily of the valley, bleeding heart, iris, pearly everlasting, fireweed, lady fern) to show active underground root system with dead or nonexistent above ground growth.</li> </ul>
<b>Ethnobotany Survival Story</b>	.75	<ul style="list-style-type: none"> <li>Ethnobotany stories (6),</li> <li>Color coded flags (6)</li> <li>Ethnobotany information sheets</li> <li>Ethnobotany materials/objects/art</li> </ul>
<b>Native Plant Communities</b>		
<b>Ecosystems of Washington-The Rain Shadow</b>	.5	<ul style="list-style-type: none"> <li>Rain shadow drawing for reference</li> <li>Drawing board (chalk board)</li> </ul>

<b>Plant Community Slide Show</b>	1.0	<ul style="list-style-type: none"> <li>• Slide show, slide script</li> <li>• Celebrating Wildflowers plant communities lists</li> </ul>
<b>Plant Community ID Walk</b>	.75	<ul style="list-style-type: none"> <li>• School ground map</li> <li>• Plant communities lists (above)</li> </ul>
<b>Plant Community Herbarium Collection</b>	.75	<ul style="list-style-type: none"> <li>• School ground map</li> <li>• Herbarium press</li> <li>• Plant communities list from above</li> </ul>
<b>Plant Community Poster</b>	1.0	<ul style="list-style-type: none"> <li>• Color pictures – <i>Starflower Native Plant ID Cards</i></li> <li>• Plant pressing or parts (dried)</li> <li>• Plant community lists</li> <li>• Poster board,</li> </ul>
<b>Ecosystem Poster</b>	.5	<ul style="list-style-type: none"> <li>• Color wildlife art master</li> <li>• Local native wildlife lists</li> <li>• Wildlife &amp; Plant Relationships</li> <li>• Poster board, etc.</li> </ul>
<b>Plant Community Design- Plant List</b>	.5	<ul style="list-style-type: none"> <li>• Posters</li> <li>• Plant Community lists</li> </ul>
<b>Wildlife Habitat</b>		
<b>Habitat Components Game</b>	1.0	<ul style="list-style-type: none"> <li>• Habitat components props with habitat objects</li> <li>• Habitat component cards</li> </ul>
<b>Wildlife Sign</b>	1.0	<ul style="list-style-type: none"> <li>• Wildlife Sign Poster</li> <li>• Tracking and wildlife field guides</li> </ul>
<b>Wildlife Assessment</b>	.75	<ul style="list-style-type: none"> <li>• Tracking field guides</li> <li>• Paper, pencil, ruler</li> </ul>
<b>What's For Dinner</b>	.75	<ul style="list-style-type: none"> <li>• Project WILD activity sheet for 'What's for Dinner'</li> </ul>
<b>Wildlife Posters</b>	1.0	<ul style="list-style-type: none"> <li>• Wildlife lists for local area</li> <li>• Wildlife Research form, Animal name cards</li> <li>• Wildlife color sheets Master</li> <li>• Wildlife sign resources (fur pieces, preserved scat or tracks, bones/skulls/teeth, hair, feathers, etc). field guides, internet access, poster board, glue, etc.</li> </ul>
<b>Wildlife Habitat Design</b>	1.0+	<ul style="list-style-type: none"> <li>• Habitat design templates</li> <li>• Drafting or tracing paper, mechanical pencils, rulers</li> </ul>
<b>Create Wildlife Habitat Feature</b>	.5	<ul style="list-style-type: none"> <li>• Habitat Feature literature from <i>Starflower Garden Steward Manual</i></li> <li>• Construction materials to be decided</li> <li>• <i>Gardening for Wildlife-</i> by Russ Link, <i>Backyard Wildlife</i></li> </ul>
<b>Extensions</b>		
<b>Native Plant Propagation</b>		
<b>Native Plant Propagation</b>	.5-.75	<ul style="list-style-type: none"> <li>• Propagation poster</li> <li>• Plant samples of propagation types</li> </ul>

<b>Seed Propagation Activity</b>	1.0	<ul style="list-style-type: none"> <li>• Seeds, flats</li> <li>• Potting soil</li> <li>• Labels</li> <li>• Latex gloves</li> <li>• Seed cover</li> <li>• Clothespins</li> <li>• Seed propagation literature from <i>Starflower Garden Steward Manual</i></li> </ul>
<b>Cuttings Propagation Activity</b>	.5-.75	<ul style="list-style-type: none"> <li>• Seed propagation literature from <i>Starflower Garden Steward Manual</i></li> <li>• <i>Root and stem cuttings</i></li> <li>• <i>Pots</i></li> <li>• <i>Soil</i></li> <li>• <i>Pruning shears</i></li> <li>• <i>Planting hormone</i></li> <li>• <i>Labels</i></li> </ul>
<b>Using Propagated Plants</b>		<ul style="list-style-type: none"> <li>• Plants grown by above activities</li> </ul>
<b>How To Plant A Native Plant</b>	1.0	<ul style="list-style-type: none"> <li>• Planting literature</li> </ul>
<b>Laying Out For Native Plant Designs</b>	1.0	<ul style="list-style-type: none"> <li>• Sample plans, pots /plants or labels to layout.</li> </ul>
		<ul style="list-style-type: none"> <li>•</li> </ul>