

MONTESSORI LESSONS		PURPOSES
<p><b>The Root</b></p> <ul style="list-style-type: none"> <li>• Roots Take up Water for the Plant</li> <li>• Roots Secure Plants to the Ground</li> <li>• Roots Keep Soil in Place</li> <li>• Leaves and Plants Shape Help the Roots</li> </ul>	<ul style="list-style-type: none"> <li>• To see that it's the roots that provide water for the plant.</li> <li>• To see that the roots actively grow towards water.</li> <li>• Provide visual experiences for the child regarding plant structures and functions.</li> <li>• To understand the role plants play in preventing erosion.</li> <li>• We invite the children to explore and extrapolate structure and function in plants.</li> </ul>	
<p><b>The Stem</b></p> <ul style="list-style-type: none"> <li>• Stems Hold the Leaves up to the Light</li> <li>• Stems Carry Water from the Roots and Food from the Leaves</li> <li>• Stems Extend into the Leaves as Veins</li> <li>• Geotropism</li> <li>• The plant and its Reproductive Parts</li> </ul>	<ul style="list-style-type: none"> <li>• To add to the child's understanding of structures and functions in the parts of plants.</li> <li>• Recognize that the stem provides a transport system for the plants.</li> <li>• To extend the idea that the stem provides a transport system for the plants into the leaves.</li> <li>• To observe geotropism in action.</li> </ul>	
<p><b>The Flower</b></p> <ul style="list-style-type: none"> <li>• The Story of the Flower</li> <li>• Parts of the Flower</li> <li>• How Plants Ensure Pollination</li> <li>• Position of the Ovary</li> </ul>	<ul style="list-style-type: none"> <li>• To help the child understand the importance of pollination and to recognize some of the methods of pollination used by plants.</li> <li>• To give the child technical terminology for the parts of a flower in order to facilitate further study.</li> <li>• To introduce pollination methods adopted by plants.</li> </ul>	
<p><b>The Fruit</b></p> <ul style="list-style-type: none"> <li>• Parts of the Fruit</li> <li>• Function of the Fruit</li> </ul>	<ul style="list-style-type: none"> <li>• To give the child technical terminology for the fruit in order to facilitate further investigation.</li> <li>• To expand the child's understanding of the natural world.</li> </ul>	
<p><b>The Seed</b></p> <ul style="list-style-type: none"> <li>• The Story of the Seed</li> <li>• Parts of the Seed</li> <li>• Seed Dispersal</li> </ul>	<ul style="list-style-type: none"> <li>• To help build an understanding of the function of a seed.</li> <li>• To give the child technical terminology for the seed in order to facilitate further investigation.</li> <li>• To expand the child's understanding of variety in nature.</li> </ul>	
MIDDLE SERIES		
CLASSIFICATION OF PLANTS		
<p><b>The Leaf</b></p> <ul style="list-style-type: none"> <li>• External Parts of the Leaf</li> <li>• Venation Patterns</li> <li>• Arrangement of Leaves on the Stem</li> <li>• Attachment of Leaf to Stem</li> <li>• Simple and Compound leaves</li> <li>• Leaf Margins</li> <li>• Leaf Shapes</li> <li>• Specialized Leaves</li> </ul>	<ul style="list-style-type: none"> <li>• These presentations are keys for further exploration of the leaf, rather than an end in themselves.</li> </ul>	

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