

## Grade 3 Science

Topic/Theme: Plants				
Essential Questions: 1. In what ways are living and non-living things alike and different? 2. How do plants change over time? 3. How does the structure of a plant and its environment affect its survival?				
Performance Indicators	Guided Questions	Essential Knowledge & Skills	Classroom Ideas	Assessment Ideas
3.1 Describe how the structures of plants and animals complement the environment of the plant or animal.	<p>Are all plants the same?</p> <p>How do the parts (structures) of a plant help it to survive and reproduce?</p> <p>What things or events affect a plant's survival?</p>	<ul style="list-style-type: none"> <li>• Each plant has different structures that serve different functions in growth, survival and reproduction.</li> <li>• Roots help support the plant and take in water and nutrients</li> <li>• Leaves help plants utilize sunlight to make food for the plant.</li> <li>• Stems, stalks, trunks and other similar structures provide support for the plant.</li> <li>• Some plants have flowers</li> <li>• Flowers are reproductive structures of plants that produce fruit which contains seeds.</li> <li>• Seeds contain stored food that aids in germination and the growth of young plants.</li> </ul>	<p>Draw a picture; Label parts of a plant. On the drawing identify the functions of the plant's parts.</p> <p>Take a nature walk to collect seeds</p> <p>Sort and classify seeds by the method of dispersal.</p> <p>Observe seed parts</p> <p>Read <u>On the Banks of Plum Creek</u></p>	<p>Students List of ways plants are affected by environment</p> <p>teacher observation of drawings identifying structures</p> <p>Worksheet seed dispersal classification</p>
<ul style="list-style-type: none"> <li>• Connections to text: Scott Foresman Text (=SF), Unit A, Chapters 1 - 3</li> </ul>				
Connections to Technology:				
Vocabulary: SF, Teacher's Edition (=t/e) t/e pp. A4, A28, A54.				