

Mansfield Public Schools Greenhouse Lesson Plan	
Lesson Title / Grade Level	Which soil works best? Grade: 2
Content Area Objective(s)	<input type="checkbox"/> Students will experiment with different soils in which plants can live. <input type="checkbox"/> Students will be able to understand the effects that different soils have on the growth and development of plants.
Science Goals And Objective(s)	<input type="checkbox"/> Students will use skills central to inquiry and the scientific process (observing, predicting, inferring, measuring, etc.)
Overview	Students will experiment with different types of soils- playground soil, clay, potting soil, and sand to see which is best to grow plants in. Students will plant a seed in each different soil and observe what happens. They will hypothesize and make observations.
Time Needed/ Instructional Arrangements and Setting	30 minutes ½ the class at a time In the greenhouse
Prerequisites Or Pre- Teaching That Needs To Be Done	
Procedure	<p>Initiation- Ask students what they know about soil. Ask them to look at the four different types of soil in front of them and predict which one(s) might be best for plants to grow in. Why?</p> <p>Divide the class into groups, and pass out the materials. Have students fill a plastic cup half full with each different type of soil (each group should have four cups). Have students plant the same type of seed in each cup. Have students make predictions in their journals.</p> <p>Closure- Have the students share their predictions, discuss what they will be looking for when they make their observations at the beginning of the next class.</p>
Materials	<input type="checkbox"/> Playground soil <input type="checkbox"/> Clay <input type="checkbox"/> Potting soil <input type="checkbox"/> Sand <input type="checkbox"/> Seeds <input type="checkbox"/> Plastic cups <input type="checkbox"/> Journals <input type="checkbox"/> Water
Materials Notes	Try to use bean seeds if possible because they grow quickly and would provide faster results for observations.
Differentiation Strategies	
Assessment Strategies	Students will be evaluated based on their participation in class discussion, and completion of their journals