Mansfield Public Schools Greenhouse Lesson Plan	
Lesson Title / Grade Level	Lights Out Grade: 2
Content Area Objective(s)	❑ Students will know that sunlight is necessary for a plant to live ❑ Students will know what happens to a plant when it does not have any light
Science Goals And Objective(s)	❑ Students will be able to use inquiry skills (measuring, observing, hypothesizing, experimenting and communicating) to investigate the effect a selected variable has on plant growth and development.
Overview	Students will conduct an experiment to see what happens when a plant does not have light.
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	Students need to have a basic understanding of what a plant is, and what it needs for growth.
Procedure	Initiation- Ask students to share what they know about plants and light. Answers should include that a plant needs light to live. Ask students what they think might happen if a plant did not get light. Tell them that they are going to find out. Students will take two healthy plants, and choose one to be the "control" plant (explain what control means in an experiment) and one to be the experimental plant. The control plant will have sunlight, and the experimental plant will be kept in the dark so it will have no sunlight. Have students write down their predictions of what will happen to each plant in their journals. Closure- Have students share their predictions, discuss what they will be looking for when they make their observations at the beginning of the next class.
Materials	❑ 2 healthy plants ❑ Water ❑ A Box (to keep the experimental plant under) ❑ Journals
Materials Notes	*If possible, teacher may want to provide enough plants for each child to have their own (control and experimental)
Differentiation Strategies	
Assessment Strategies	Students will be evaluated based on their attention and participation during the activity, as well as their contribution to the class discussion and completion of their journals