

<b>Activity: Plants - #5</b>	<b>Growing Lima Beans</b>
<b>Time</b>	<b>One Class Period</b>
<b>Materials</b>	<b>Lima Beans, Container, Water, Three Small Mason Jars, Medicine Cup or Milk Jug Lids, 2 Liter Pop Bottle Cap, and Paper Towels.</b>
<b>Guiding Questions</b>	
<b>What happens to Lima Beans when they are soaked in water overnight?</b>	
<b>Plan</b>	
<b><u>Class Activity – Large Group</u></b>	
<ul style="list-style-type: none"> <li>• Soak Lima Beans for one to two hours before class starts.</li> <li>• Rinse out jars.</li> <li>• Empty jars but do not dry the jars.</li> <li>• Put a napkin in the jars.</li> <li>• Place one soaked bean between the side of the jar and the napkin.</li> <li>• Place one jar in the classroom window.</li> <li>• Place one jar somewhere in the classroom, but away from the window.</li> <li>• Place one jar inside a cardboard box.</li> <li>• Put one pop bottle cap of water in the three jars every day.</li> <li>• Measure the plants every three days and record the data in Science Journals.</li> <li>•</li> </ul>	
<b><u>Student Activity – Small Groups</u></b>	
<ul style="list-style-type: none"> <li>• Give each student two Ziploc bags.</li> <li>• Have them write their name on their bags with permanent marker.</li> <li>• Fold a paper towel small enough it will fit in a sandwich sized Ziploc bag.</li> <li>• Put two teaspoons of water (can use medicine cup or fill a milk jug lid with water) on the paper towel.</li> <li>• Place the paper towel in the Ziploc bag.</li> </ul>	

- Put two soaked Lima Bean between the paper towel and the side of the Ziploc bag. Try to put the two beans some distance apart.
- Seal the bag tightly.
- Hang the bags in a window with the bean side facing to the outside (toward the sun.)
- Observe and record data every three days.
- Once the seeds germinate, have each student plant their beans in soil and individual pots. Then put the potted plants under a grow light.
- Observe and record data every three days.
- When the plants have grown a significant amount, send plants home for the kids to plant.

<b>Differentiation</b>	<b>Tactile Learning, Discourse Discussion, and Observations</b>
<b>ELL Modification</b>	<b>Tactile Learning, Discourse Discussion, and Observations</b>
<b>Check for Understanding</b>	<b>Discussions and Science Journals</b>