



Kindergarten Science

Subject	Science – What a Plant Needs to Grow
Grade	K
CCSS	(KLS1-1) LS1.C: Organization for Matter and Energy Flow in Organisms. All animals need food in order to live and grow. They obtain their food from plants or from other animals. Plants need water and light to live and grow. (K-LS1-1)
Learning Target	Students will be able to determine what four things plants need in order to grow.
Rationale	All organisms need to consume energy in some form. They also must have other needs met in order to grow and prosper. Plants that we eat need to be healthy in order for us to be healthy.
Tasks	<p>Guided Inquiry: Create a “Need/Have/Are” chart. Discuss with the class what plants need. What they have. And what they are. Today, we’ll be focusing on what they need.</p> <p>Mini Lesson: Plants need four things to grow:</p> <ol style="list-style-type: none">1) <i>Soil:</i> The dirt that a plant grows in. This is where they draw nutrients from.2) <i>Air:</i> Plants use air in making their food, and they also “breathe.”3) <i>Water:</i> Plants use water to cool themselves, and in making their own food.4) <i>Sunlight:</i> Plants use sunlight to make their own food. <p>Formative Assessment: Students complete the “What do plants need to grow?” worksheet.</p> <ol style="list-style-type: none">1) Using the cutouts, have students find the four things plants need to grow. Separate these from the other items, and hold onto them. They will use them in the final assessment.2) Glue the four items onto the “What do plants need to grow?” worksheet3) <i>Optional:</i> With the other items, discuss what things DO need those items to grow/move/work.
Extension Question	What happens when a plant doesn’t get one of these things?
Materials	“What do plants need to grow?” worksheet Cutout sheet Glue Pencils What a plant needs to grow slide deck