



BIG GREEN LESSONS

Learning Garden Scavenger Hunt: 3rd-5th Grades

Lesson Outcomes

- Students will understand that you can make observations using your five senses.
- Students will make a connection between the way they sense and receive information to the way the bugs in the Learning Garden sense and receive information.
- Students will be able to identify that plants grow bigger and stronger when they have air, water, light, and nutrients.

Standard Alignment

Next Generation Science Standards

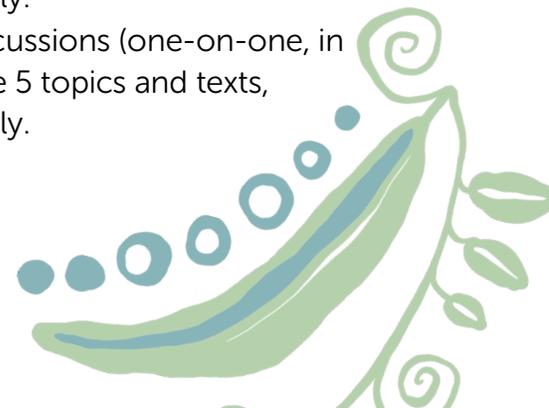
- 3-LS3-2. Use evidence to support the explanation that traits can be influenced by the environment.
- 4-LS1-2. Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.
- 5-LS1-1. Support an argument that plants get the materials they need for growth chiefly from air and water.

Common Core – Math

- 3.MD.C.5 Recognize area as an attribute of plane figures and understand concepts of area measurement.
- 3.MD.D.8 Solve real world and mathematical problems involving perimeters of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same perimeter and different areas or with the same area and different perimeters.

Common Core – English Language Arts

- 3.SL.1: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher- led) with diverse partners on grade 3 topics and texts, building.
- 4.SL.1: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher- led) with diverse partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly.
- 5.SL.1: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher- led) with diverse partners on grade 5 topics and texts, building on others' ideas and expressing their own clearly.



Materials & Preparation

- Review lesson and familiarize yourself with the Learning Garden
- Make photocopies of scavenger hunt handout (front and back), one sheet per student
- Gather pencils and coloring materials
- Provide a clipboard or hard surface to write on

Introduction (5 minutes)

Students will become familiar with their Learning Garden by making and recording observations. Students will use their senses and problem-solving skills to explore different parts of the Learning Garden and better understand the variety of plants that are growing.

Have the students review their five senses. Let students know that today we will be using four of our five senses to explore the Learning Garden (see, hear, feel, smell). Ask students to explain: *Why are we using our senses to explore the Learning Garden today?*

Activity (20 minutes)

Students will complete the Learning Garden scavenger hunt individually and break into small groups at the conclusion of the scavenger hunt for a pair and share.

Review with students what it means to make observations. Ask, *what will help us make good observations in the garden?*

Students can carefully use their senses: look, touch, smell and listen.

Discuss with the students why we will not be using our taste sense today. From time to time, students will be invited to taste things from the Learning Garden, but students should never taste or eat anything from the Learning Garden without their teacher's permission.

Review any additional rules to the Learning Garden. Query students about known bee/wasp sting allergies before going into the field.

Students will search in the Learning Garden for the objects, plants, and animals found on their Learning Garden Scavenger Hunt worksheet and record their findings in the appropriate space.

Once students are finished with the scavenger hunt, and if time allows, invite them to grab their coloring materials and color in their scavenger hunt.



Conclusion (10 minutes)

When students are finished with their scavenger hunt, break them up into groups of two for a quick pair and share. Have students spend 3-5 minutes sharing with their partner what they found.

After the pair and share, bring the entire group together (either in the Learning Garden or in the classroom) for a group discussion. Review the following questions:

- What the biggest leaf in the Learning Garden?
 - What was the area of that leaf?
 - Does that plant have any advantages over the other plants because of the larger leaves?
- What was the tallest plant in the Learning Garden? What does a plant need to grow tall and strong?
- Make a list of the different bugs found during the Scavenger Hunt. Why are there bugs living in the Learning Garden?



Name:

Date:

Learning Garden Scavenger Hunt

Find the tallest plant in the Learning Garden.	
What is the name of the tallest plant?	Estimate; how tall is the plant?
Find the biggest leaf in the garden.	
Describe; how does the leaf feel?	Estimate; how big is the leaf?
Find a plant that smells good.	
What is the name of the plant that smells good?	Describe; what does the plant smell like?

Find four different colors in the Learning Garden. List below.	
Color 1	Color 3
Color 2	Color 4

Find a bug in the learning Garden.
Describe what your bug is doing, include the bug's name if you know it.

Name:

Date:

Learning Garden Scavenger Hunt

Find 3 different leaves. Sketch and name each leaf in the box below.

<p>Leaf Name:</p>	<p>Leaf Name:</p>	<p>Leaf Name:</p>
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