



Plantastic! What Makes a Plant, a Plant | 1st Grade

What exactly is a plant? And what makes them different from other living things? Learn about the parts of a plant while touring the Garden with an experienced Garden Guide. This tour will equip you with knowledge on how to observe similarities and differences between living things in the plant kingdom.

Program Overview

Students will be divided into groups of no more than 10 students for each group. Each group will then be paired with one of our volunteer Garden Guides who will take the group on a walking tour of the Garden and facilitate different activities. Activities include a “parts of a plant” interactive magnet puzzle where students will work as a group to build a plant diagram; the other activity included is a data collection on plant traits showcasing plant diversity. Chaperones are expected to assist with some of the activities by managing the materials, along with managing student behavior so that our Garden Guide can focus on facilitating the tour and activities.

Please review our [pre-visit materials](#) prior to your visit. As a reminder, be sure to have your class dress for the weather, wear comfortable walking shoes, and carry water bottles. Refillable water stations are available in the Garden.

Next Generation Science Standards ([NGSS](#))

- 1-LS3-1. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents
 - LS3.A: Young animals are very much, but not exactly, like their parents. Plants also are very much, but not exactly, like their parents. (1-LS3-1)
 - LS3.B: Individuals of the same kind of plant or animal are recognizable as similar but can also vary in many ways. (1-LS3-1)



Vocabulary

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|--|----------------------------|------------------------------|
| • Monocot/Dicot | • Variety/Variation | • Photosynthesis |
| • Plant Parts
(Seed, Root,
Stem, Leaf,
Flower) | • Life Cycle | • Oxygen (Breathe
in/out) |
| • Diversity | • Energy | • Parallel/Non-parallel |
| | • Survival | • Inherit/traits |
| | • Grow | • Habitat |

Resources

- *From Seed to Plant* by Gail Gibbons (Ages 3-7 / Grades TK-1)
- *How a Seed Grows* by Helene J. Jordan (Ages 2-6 / Grades TK-1)
- *Plant Parts* by Amanda Gebhardt (Age 5 / Grade K)
- *Plant Plumbing* by Susan Blackaby and Charlene Delage (Ages 4-7 / Grades TK-2)
- *Catching Sunlight* by Susan Blackaby and Charlene Delage (Ages 4-7 / Grades TK-2)
- *A Seed is Sleepy* by Dianna Aston (Ages 5-10 / Grades K-5)
- *Can You Hear the Plants Speak?* by Nicholas Hummingbird and Julia Wasson (Ages 4-8 / Grades TK-3)
- Learning @ Home: Plant Parts Passport
https://cdn.prod.website-files.com/5a6e317c7bd20a000184f439/5ff385414d31c99033742ee3_Plant%20Parts%20Passport%20Final.pdf
- Learning @ Home: Seed Necklace
https://cdn.prod.website-files.com/5a6e317c7bd20a000184f439/5ff3ac173552ec515bd760fb_Seed%20Necklace%20Final.pdf
- Learning @ Home: Collecting the Rainbow
- https://cdn.prod.website-files.com/5a6e317c7bd20a000184f439/5ff3ae60bf3177e161a862b4_Collecting%20the%20Rainbow%20Final.pdf
- Cornell Cooperative Extension Broome Online Learning: Plant Part Dance
<https://www.youtube.com/watch?v=rqAftedZvXM>