



Hidden Villa Environmental Education Science and Nature Videos Supporting Materials

109 – Six Parts of a Plant and What They Do

Description: This video shows the six parts of a plant in a fun and memorable way.

Can be used for NEXT GENERATION SCIENCE STANDARD 1-LS1-1

1-LS1-1 From Molecules to Organisms: Structures and Processes

Students who demonstrate understanding can: Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.

<p>Science and Engineering Practices Constructing Explanations and Designing Solutions</p> <p>Constructing explanations and designing solutions in K-2 builds on prior experience and progresses to the use of evidence and ideas in constructing evidence based accounts of natural phenomena and designing solutions.</p> <p>Use materials to design a device that solves a specific problem or a solution to a specific problem.</p>	<p>Disciplinary Core Ideas LS1.A: Structure and Function</p> <p>All organisms have external parts. Different animals use their body parts in different ways to see, hear, group objects, protect themselves, move from place to place, and seek, find and take in food, water and air. Plants also have different parts (roots, stems, leaves, flowers, fruit) that help them survive and grow.</p>	<p>Crosscutting Concepts Structure and Function</p> <p>The shape and stability of structures or natural and designed objects are related to their functions.</p>
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Questions on video:

- What part grows underground?
- Which part keeps the plant standing tall?
- Which part collects the sun's energy?
- What part attracts insects?
- What part replaces the flower and contains the seeds?
- What part do we plant?

Supplemental questions:

- Which plant part is the most important? (They are all important. Seeds provide more human nutrition than any other part- in the form of grain. Fruits offer the greatest variety of any part. But they are all equally important to the living plant.)
- Which part of the plant do we eat? (it depends on the plant)
- Which part do the bees like to visit? (flower)
- Which part takes in energy from the sun? (leaves)
- Which part pulls water and minerals from the soil? (roots)
- Which part contains new plants? (seeds)
- Which part holds up the plant? (stem)
- When is a vegetable also a fruit? (When it contains seeds.)

Other related videos:

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| 107 – Deer Ears: Your Very Own Super Power | 121 – Reconstructing a Deer Skeleton |
| 108 – Woodrats: Forest Engineers | 122 – Life in the Air: Adaptations of a Bird |
| 119 – Horns and Antlers: Useful Tools or Nature's Hood Ornaments? | 123 – Life Without Limbs: Adaptations of a Snake |
| 120 – Seed Dispersal | 124 – Life on the Prowl: Adaptations of a Fox |