



Hidden Villa Environmental Education
 Science and Nature Videos
Supporting Materials

110 – How to Keep Plants Healthy

Description: This video gives examples of how plants are dependent on water and light. Can be used for NEXT GENERATION SCIENCE STANDARD 2-LS2-1

2-LS2-1 Ecosystems: Interactions, Energy, and Dynamics

Students who demonstrate understanding can: Plan and conduct an investigation to determine if plants need sunlight and water to grow.

<p>Science and Engineering Practices Planning and Carrying Out Investigations Planning and carrying out investigations to answer questions or test solutions to problems in K-2 builds on prior experiences and progresses to simple investigations, based on fair tests which provide data to support explanations or design solutions. Plan and conduct an investigation collaboratively to produce data to serve as the basis for evidence to answer a question.</p>	<p>Disciplinary Core Ideas LS2.A: Interdependent Relationships in Ecosystems Plants depend on water and light to grow.</p>	<p>Crosscutting Concepts Cause and Effect Events have causes that generate observable patterns.</p>
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Question on video:

What do plants need to survive and grow?

Supplemental Questions:

- In the pictures of the garden, what difference do you notice? Why are there these differences?
- How many hours and minutes of sunlight did Hidden Villa have on January 30th and on April 16th?
- Was there a greater chance of rain in January or April?
- What kind of plants grow in the winter where you live? How about in the spring?

Other related videos

- 111 – How Seeds Travel
- 112 – Let’s Play with Plants
- 120 – Seed Dispersal
- 129 – Digging Deep: Exploring the Compost Pile

Hidden Villa is a 1600 acre wilderness and organic farm located in Los Altos Hills, California. See all that Hidden Villa has to offer at www.hiddenvilla.org Contact us at hveep@hiddenvilla.org