



Hidden Villa Environmental Education
 Science and Nature Videos
Supporting Materials

130 – Eating Sunshine in the Garden

Description: This video shows one examples of how solar energy is captured and used at Hidden Villa. It can be used for NEXT GENERATION SCIENCE STANDARD 5-PS3-1

5-PS3-1 Energy

Students who demonstrate understanding can: Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.

<p>Science and Engineering Practices Developing and Using Models Modeling in 3–5 builds on K–2 experiences and progresses to building and revising simple models and using models to represent events and design solutions. Use models to describe phenomena.</p>	<p>Disciplinary Core Ideas PS3.D: Energy in Chemical Processes and Everyday Life The energy released [from] food was once energy from the sun that was captured by plants in the chemical process that forms plant matter (from air and water).</p>	<p>Crosscutting Concepts Energy and Matter Energy can be transferred in various ways and between objects.</p>
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Supplemental questions:

- What's the most abundant season for harvesting plants?
- What does Garth mean by eating sunshine?
- What is photosynthesis?
- How does photosynthesis help plants grow?
- Name 3 ways we can capture the sun's energy?



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