



Hidden Villa Environmental Education
 Science and Nature Videos
Supporting Materials

107 – Deer Ears: Your Very Own Super Power

Description: This video uses the example of a deer’s ears as an external body part whose structure functions to protect deer from predators and other dangers. Can be used with 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 Constructing explanations and designing solutions in K-2 builds on prior experiences and progresses in the use of evidence and ideas in constructing evidence-based accounts of natural phenomena and designing solutions. 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 All organisms have external parts. Different animals use their body parts in different ways to see, hear, grasp 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, fruits) that help them survive and grow.</p>	<p>Crosscutting Concepts Structure and Function The shape and stability of structures of natural and designed objects are related to their function(s).</p>
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Question on video:

How do a deer’s ears help it to survive?

Supplemental questions

- What’s a herbivore?
- What’s a carnivore?
- How do big ears help improve hearing?
- Deer can move their ears in different directions. Why is that useful?
- How do deer use long legs to survive?
- How are deer different from you and why?

Other related videos:

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| 108 – Woodrats: Forest Engineers | 121 – Reconstructing a Deer Skeleton |
| 109 – Six Parts of a Plant and What They Do | 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 |

Hidden Villa is a 1600 acre wilderness and organic farm located in Los Altos Hills, California.
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