



108 – Woodrats: Forest Engineers

Description: This video shows how build their shelters. 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 Constructing explanations and designing solutions in K-2 Builds on prior experiences and progresses to the use of evidence and ideas in constructing evidence-based accounts or 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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Supplemental questions:

- What tools can wood rats use to build shelters?
- What tools do humans use to build shelters?
- Why do wood rats have different rooms in their nests?
- What other animals use sticks to build shelters?
- What kind of houses do animals live in?
- Why do some animals build homes?
- Why so some animals need shelter?
- What kind of shelter do you live in?
- What is your shelter made of?
- If you were a wild animal, what kind of house would you build?

Other related videos:

- 107 – Deer Ears: Your Very Own Super Power
- 109 – Six Parts of a Plant and What They Do
- 119 – Horns and Antlers: Useful Tools or Nature’s Hood Ornaments?
- 120 – Seed Dispersal

- 121 – Reconstructing a Deer Skeleton
- 122 – Life in the Air: Adaptations of a Bird
- 123 – Life Without Limbs: Adaptations of a Snake
- 124 – Life on the Prowl: Adaptations of a Fox

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