

WEEK 4 Lesson 2

Science and Engineering: A Tale of Two Animals
Surviving Winter

S & E Big Ideas	Animals survive winter in different ways.
S & E Guiding Question	What are the different ways animals survive winter?
Content Objective	I can use what I learned from text and media to discuss patterns in behavior that help offspring survive. (1-LS1-2)
Language Objective	Use words and phrases acquired through conversations, reading and being read to, and responding to texts, including using frequently occurring conjunctions to signal simple relationships
Vocabulary	hibernator: An animal that hibernates during the winter. instinct: Knowing what to do without being told.
Materials and Preparation	<ul style="list-style-type: none"> ● SciShow Hibernation Video (https://www.youtube.com/watch?v=OhrhcsICrE8) ● projector and screen ● Animals that Hibernate sheet, 1 copy per child ● scissors, 1 per child ● glue or glue sticks, 1 per child or several for small groups
Opening 15 minutes	<p><i>Today we will talk about the season of Winter. What is the weather like during the winter season in Maine?</i></p> <p>Invite 2-3 responses.</p> <p><i>Winter in Maine can be cold, windy, snowy, and it gets dark really early. If you like to snuggle in warm blankets during the winter, raise your hand.</i></p> <p><i>Today we are going to talk about some animals that also like to snuggle into a cozy place for the winter. These animals are called hibernators. We are going to watch a video all about hibernators. Listen carefully, after the video we are going to share what we</i></p>

	<p><i>learned about these animals.</i></p> <p>Play the Hibernation video. <i>That was an interesting video. Who would like to share something you learned?</i></p> <p>Harvest some of the children’s ideas and affirm their observations. <i>This video told us which animals hibernate. It also told us how animals hibernate and where they hibernate. How do you think animals know how to do this?</i></p> <p>Allow time for responses. <i>Animals use their instincts. An instinct is something they know how to do on their own. They also watch their parents select the best spots for hibernating and how they gather plenty of food to make it through the winter.</i></p>
Investigation 15 minutes	<p><i>Today we will do an animal sort. We will sort animals that hibernate and animals that do not hibernate. You will need scissors and glue. When you cut out the animals on the bottom of the page, follow the black lines.</i></p> <p>Distribute the Animals that Hibernate sheets, glue, and scissors.</p>
Closing	<p><i>Let’s take a look at our animals that do not hibernate. What do these animals do in the winter?</i></p>
Standards	1-LS1-2 Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.
Ongoing assessment	Listen to discussions as they sort to understand the criteria they are using to place animals into the two categories.

Notes