

# Desert Botanical Garden- Sonoran Desert Adventures Guided Field Trips

<b>Adventure Guide – Desert Dining</b>			
<b>Target Grade(s):</b>	1 <sup>st</sup> -3 <sup>rd</sup>	<b>Time:</b>	2 Hours
<b>Theme:</b> Life on earth depends on energy from the Sun or energy from other organisms to survive.			
<b>Desired Outcomes:</b> Students will be able to –	<ol style="list-style-type: none"> <li><b>1. Describe that a habitat is made up of the space where an organism can find the food, water and shelter it needs to survive.</b></li> <li><b>2. Explain that living things rely on other living things or the sun to survive.</b></li> <li><b>3. Predict what would happen if one part of a food web/chain disappears.</b></li> <li><b>4. Identify some plants and animals that exist in the local environment.</b></li> <li><b>5. Identify the Sonoran Desert as the ecosystem in which they live.</b></li> <li><b>6. Describe the characteristics of a desert environment.</b></li> </ol>		
<b>Key Vocabulary:</b> energy, producer, consumer, herbivore, carnivore, omnivore, food chain, food web, decomposer			
<b>Cross Cutting Concepts:</b> Energy and Matter, Systems and System Models	<b>Science and Engineering Practices:</b> Asking questions and defining problems, <b>developing and using models</b> , constructing explanations, engaging in argument from evidence, <b>obtaining, evaluation and communicating information</b>		
<b>Arizona Science Standards:</b>	<p><b>1.L2U2.7</b> – Develop and use models about how living things use resources to grow and survive.</p> <p><b>1.L3U1.8</b> – Construct an explanation describing how organisms obtain resources from the environment, including materials that are used again by other organisms.</p> <p><b>2.L2U1.9</b> – Obtain, analyze and communicate evidence that organisms need a source of energy, air, water and certain temperature conditions to survive.</p> <p><b>2.L2U1.10</b> – Develop a model representing how life on Earth depends on energy from the Sun and energy from other organisms.</p> <p><b>3.L2U1.7</b> – Develop and use system models to describe the flow of energy from the Sun to and among living organisms.</p> <p><b>3.L2U1.8</b> – Construct an argument from evidence that organisms are interdependent.</p>		

## Field Trip Activities:

- Dissect “scat” to figure out if the organism is an herbivore, carnivore or omnivore.
- Act like a pocket mouse, but don’t get eaten by the Owl.
- Make a food web.

