## 2-LS2 Ecosystems: Interactions, Energy, and Dynamics

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Students who demonstrate				
	5	o determine if plants need sunlight and water to g	row. [Assessment Boundary: Assessment	
is limited to testing one variable at a time.]				
2-LS2-2. Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.*				
The performance expectations above were developed using the following elements from the NRC document A Framework for K-12 Science Education:				
Science and Engir	eering Practices	Disciplinary Core Ideas	Crosscutting Concepts	
<ul> <li>Developing and Using Models</li> <li>Modeling in K-2 builds on prior experiences and progresses to include using and developing models (i.e., diagram, drawing, physical replica, diorama, dramatization, or storyboard) that represent concrete events or design solutions.</li> <li>Develop a simple model based on evidence to represent a proposed object or tool. (2-LS2-2)</li> <li>Planning and Carrying Out Investigations</li> <li>Planning and carrying out investigations to answer questions or test solutions to problems in K-2 builds on prior experiences and progresses to simple investigations, based on fair tests, which provide data to support explanations or design solutions.</li> <li>Plan and conduct an investigation collaboratively to produce data to serve as the basis for evidence to answer a question. (2-LS2-1)</li> </ul>		<ul> <li>LS2.A: Interdependent Relationships in Ecosystems <ul> <li>Plants depend on water and light to grow. (2-LS2-1)</li> <li>Plants depend on animals for pollination or to move their seeds around. (2-LS2-2)</li> </ul> </li> <li>ETS1.B: Developing Possible Solutions <ul> <li>Designs can be conveyed through sketches, drawings, or physical models. These representations are useful in communicating ideas for a problem's solutions to other people. <i>(secondary to 2-LS2-2)</i></li> </ul> </li> </ul>	<ul> <li>Cause and Effect</li> <li>Events have causes that generate observable patterns. (2-LS2-1)</li> <li>Structure and Function</li> <li>The shape and stability of structures of natural and designed objects are related to their function(s). (2-LS2-2)</li> </ul>	
Connections to other DCIs in seco			<u> </u>	
Articulation of DCIs across grade Common Core State Standards Co		<b>S3.A</b> (2-LS2-1); <b>K.ETS1.A</b> (2-LS2-2); <b>5.LS1.C</b> (2-LS2-1); <b>5.LS2.A</b> (2-L	.52-2)	
ELA/Literacy –	Intections:			
	Recall information from experiences or gather information from provided sources to answer a question. (2-LS2-1)			
	Create audio recordings of stories or poems; add drawings or other visual displays to stories or recounts of experiences when appropriate to clarify ideas, thoughts, and			
	feelings. (2-LS2-2)			
Mathematics –				
	Reason abstractly and quantitatively. (2-LS2-1) Model with mathematics. (2-LS2-1),(2-LS2-2)			
	Use appropriate tools strategically. (2-LS2-1)			
2.MD.D.10 Draw a picture grap				