

DCI: Ecosystems: Interactions, Energy, and Dynamics

2.LS2.A: Interdependent Relationships in Ecosystems

Plants depend on water and light to grow. (2-LS2-1)

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2.LS2.A: Interdependent Relationships in Ecosystems

Plants depend on animals for pollination or to move their seeds around. (2-LS2-2)

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2.ETS1.B: Developing Possible Solutions

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. (2-LS2-2)

Science and Engineering Practice

Developing and Using Models

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. Develop a simple model based on evidence to represent a proposed object or tool. (2-LS2-2)

Science and Engineering Practice

Planning and Carrying Out Investigations

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. Plan and conduct an investigation collaboratively to produce data to serve as the basis for evidence to answer a question. (2-LS2-1)

Crosscutting Concept

Cause and Effect

Events have causes that generate observable patterns. (2-LS2-1)

Crosscutting Concept

Structure and Function

The shape and stability of structures of natural and designed objects are related to their function(s). (2-LS2-2)