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

**3-LS2-1. Construct an argument that some animals form groups that help members survive.**

Students who demonstrate understanding can:

- Construct an argument with evidence, data, and/or a model. (3-LS2-1)

**Science and Engineering Practices**

**Engaging in Argument from Evidence**

Engaging in argument from evidence in 3-5 builds on K-2 experiences and progresses to critiquing the scientific explanations or solutions proposed by peers by citing relevant evidence about the natural and designed world(s).

- Construct an argument with evidence, data, and/or a model. (3-LS2-1)

**Disciplinary Core Ideas**

**LS2.D: Social Interactions and Group Behavior**

- Being part of a group helps animals obtain food, defend themselves, and cope with changes. Groups may serve different functions and vary dramatically in size (Note: Moved from K-2). (3-LS2-1)

**Crosscutting Concepts**

**Cause and Effect**

- Cause and effect relationships are routinely identified and used to explain change. (3-LS2-1)

**Articulation of DCIs across grade-levels:**

1. **1.LS1.B** (3-LS2-1); **MS.LS2.A** (3-LS2-1)

**ELA/Literacy**

- **RI.3.1** Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers. (3-LS2-1)
- **RI.3.3** Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect. (3-LS2-1)
- **W.3.1** Write opinion pieces on topics or texts, supporting a point of view with reasons. (3-LS2-1)

**Mathematics**

- **MP.4** Model with mathematics. (3-LS2-1)
- **3.NBT** Number and Operations in Base Ten (3-LS2-1)

*The performance expectations marked with an asterisk integrate traditional science content with engineering through a Practice or Disciplinary Core Idea. The section entitled “Disciplinary Core Ideas” is reproduced verbatim from A Framework for K-12 Science Education: Practices, Cross-Cutting Concepts, and Core Ideas. Integrated and reprinted with permission from the National Academy of Sciences.*