

Sturgeon 3-5

Next Generation Science Standards

GRADE Third

3-LS1-1 From molecules to Organisms: Structures and Processes: Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.

3-LS4-3 Biological Evolution: Unity and Diversity: Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.

3-LS4-4 Biological Evolution: Unity and Diversity: Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.

Science and Engineering Practice	Core Ideas	Crosscutting Concepts
Engaging in Argument from Evidence Developing and Using Models	LS1.B: Growth and Development of Organisms LS2.C: Ecosystem Dynamics, Functioning, and Resilience LS4.D: Biodiversity and Humans	Systems and System Models Patterns

GRADE Fourth

4-LS1-1 From Molecules to Organisms: Structures and Processes: Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.

Science and Engineering Practice	Core Ideas	Crosscutting Concepts
Engaging in Argument from Evidence	LS1.A: Structure and Function	Systems and System Models

GRADE Fifth

5-LS2-1 Ecosystems: Interactions, Energy, and Dynamics: Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.

5-ESS3-1 Earth and Human Activity Obtain and combine information about ways individual communities use science ideas to protect the Earth’s resources and environment.

Science and Engineering Practice	Core Ideas	Crosscutting Concepts
Developing and Using Models	LS2.A: Interdependent Relationships in Ecosystems LS2.B: Cycles of Matter and Energy Transfer in Ecosystems	Systems and System Models