

5th Grade NGSS Scope Matrix

Component Idea	Scope	Performance Expectation (PE)	Disciplinary Core Idea (DCI)	Science and Engineering Practice(s) (SEP)	Crosscutting Concepts (CCC)
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LS2: Ecosystems: Interactions, Energy and Dynamics

Interdependent Relationships in Ecosystems	Food Webs	5-LS2-1	LS2.A	Developing and Using Models	Systems and System Models
	Basic Needs	5-LS2-1	LS2.A	Developing and Using Models	Systems and System Models
	Ecosystems	5-LS2-1	LS2.A	Developing and Using Models	Systems and System Models
Cycles of Matter and Energy Transfer in Ecosystems	Matter Cycles	5-LS2-1	LS2.B	Developing and Using Models	Systems and System Models



ESS1: Earth's Place in the Universe

The Universe and its Stars	Observing the Stars	5-ESS1-1	ESS1.A	Engaging in Argument from Evidence	Scale, Proportion and quantity
Earth and the Solar System	Earth's Rotation	5-ESS1-2	ESS1.B	Analyzing and Interpreting Data	Patterns
	Objects in the Sky	5-ESS1-2	ESS1.B	Analyzing and Interpreting Data	Patterns



ESS2: Earth's Systems

Earth Materials and Systems	Earth's Systems	5-ESS2-1	ESS2.A	Developing and Using Models	Systems and System Models
	Earth's Systems Interactions	5-ESS2-1	ESS2.A	Developing and Using Models	Systems and System Models
The Roles of Water in Earth's Surface Processes	Water Sources	5-ESS2-2	ESS2.C	Using Mathematics and Computational Thinking	Scale, Proportion and quantity

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ESS3: Earth and Human Activity

Human Impacts on Earth Systems	Human Footprint	5-ESS3-1	ESS3.C	Obtaining, Evaluating, and Communicating Information	Systems and System Models
	Reducing Human Footprint	5-ESS3-1	ESS3.C	Obtaining, Evaluating, and Communicating Information	Systems and System Models