

Component Idea	Scope	Performance Expectation (PE)	Disciplinary Core Idea (DCI)	Science and Engineering Practice(s) (SEP)	Crosscutting Concepts (CCC)
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PS1: Matter and Its Interactions

Structure and Properties of Matter	Properties and States of Matter	2-PS1-1	PS1.A	Planning and Carrying Out Investigations	Patterns
	Properties of Materials	2-PS1-2 2-PS1-3	PS1.A	Analyzing and Interpreting Data	Energy and Matter Cause and Effect
	Building Blocks of Matter	2-PS1-3	PS1.A	Constructing Explanations and Designing Solutions	Energy and Matter
Chemical Reactions	Changes from Heat	2-PS1-4	PS1.B	Engaging in Argument from Evidence	Cause and Effect



LS2: Ecosystems: Interactions, Energy, and Dynamics

Interdependent Relationships in Ecosystems	What Plants Need	2-LS2-1	LS2.A	Planning and Carrying Out Investigations	Cause and Effect
	Animal and Plant Dependence	2-LS2-2	LS2.A	Developing and Using Models	Structure and Function
Biodiversity and Humans	Diversity of Living Things	2-LS4-1	LS4.D	Planning and Carrying Out Investigations	none



ESS1: Earth's Place in the Universe

The History of Planet Earth	Quick Changes to Land	2-ESS1-1	ESS1.C	Constructing Explanations and Designing Solutions	Stability and Change
	Slow Changes to Land	2-ESS1-1	ESS1.C	Constructing Explanations and Designing Solutions	Stability and Change

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ESS2: Earth's Systems

Earth's Materials and Systems	Effects of Wind and Water	2-ESS2-1	ESS2.A ETS1.C	Constructing Explanations and Designing Solutions	Stability and Change
Plate Tectonics and Large-Scale System Interactions	Mapping Our World	2-ESS2-2	ESS2.B	Developing and Using Models	Patterns
The Role of Water in Earth's Surface Processes	Forms of Water on Earth	2-ESS2-4	ESS2.C	Obtaining, Evaluating, and Communicating Information	Patterns