

Component Idea	Scope	Performance Expectation (PE)	Disciplinary Core Idea (DCI)	Science and Engineering Practice(s) (SEP)	Crosscutting Concepts (CCC)
PS2: Motion and Stability: Forces and Interactions					
Forces and Motion	Objects and Motion	3-PS2-1 3-PS2-2	PS2.A PS2B	Planning and Carrying Out Investigations	Patterns Cause and Effect
Types of Interactions	Electric and Magnetic Forces	3-PS2-3 3-PS2-4	PS2.B	Asking Questions and Defining Problems	Cause and Effect
LS1: From Molecules to Organisms: Structures and Processes					
Growth and Development of Organisms	Life Cycles	3-LS1-1	LS1.B	Developing and Using Models	Patterns
LS2: Ecosystems: Interactions, Energy, and Dynamics					
Social Interactions and Group Behavior	Social and Group Behavior	3-LS2-1	LS2.D	Engaging in Argument from Evidence	Cause and Effect
LS3: Heredity: Inheritance and Variation of Traits					
Inheritance of Traits Variation of Traits	Inheritance and Variation of Traits	3-LS3-1	LS3.A LS3B	Analyzing and Interpreting Data	Patterns
	Environmental Traits	3-LS3-2	LS3A LS3B	Constructing Explanations and Designing Solutions	Cause and Effect

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LS4: Biological Evolution: Unity and Diversity

Evidence of Common Ancestry and Diversity	Plant and Animal Extinction	3-LS4-1	LS4.A	Analyzing and Interpreting Data	Scale, Proportion and Quantity
	Fossils	3-LS4-1	LS4.A	Analyzing and Interpreting Data	Scale, Proportion and Quantity
Natural Selection	Survival of the Fittest	3-LS4-2	LS4.B	Constructing Explanations and Designing Solutions	Cause and Effect
Adaptations	Adapataions	3-LS4-3	LS4.C	Engaging in Argument from Evidence	Cause and Effect
Biodiversity and Humans	Environmental Changes and Effects	3-LS4-4	LS4.D	Engaging in Argument from Evidence	Systems and System Models



ESS2: Earth's Systems

Weather and Climate	Weather and Climate	3-ESS2-1 3-ESS2-2	ESS2.D	Analyzing and Interpreting Data Obtaining, Evaluating, and Communicating Information	Patterns
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ESS3: Earth and Human Activity

Natural Hazards	Processes and Impacts of Natural Hazards	3-ESS3-1	ESS3.B	Engaging in Argument from Evidence	Cause and Effect
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