



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	Pushes and Pulls	K-PS2-1 K-PS2-2	PS2.A	Planning and Carrying Out Investigations Analyzing and Interpreting Data	Cause and Effect
	Speed and Direction	K-PS2-1 K-PS2-2	PS2.A PS2.B PS3.C	Planning and Carrying Out Investigations Analyzing and Interpreting Data	Cause and Effect
PS3 Energy					
Conservation of Energy and Energy Transfer - Sunlight warms Earth's surface	Pushes and Pulls	K-PS2-1 K-PS2-2	PS2.A	Planning and Carrying Out Investigations Analyzing and Interpreting Data	Cause and Effect
LS1 From Molecules to Organisms: Structures and Processes					
Organization for Matter and Energy Flow in Organisms	Animal Needs	K-LS1-1	LS1.C	Analyzing and Interpreting Data	Patterns
	Plant Needs	K-LS1-1	LS1.C	Analyzing and Interpreting Data	Patterns
ESS2 Earth's Systems					
Weather and Climate	Weather Conditions	K-ESS2-1	ESS2.D	Analyzing and Interpreting Data	Patterns
	Measurement of Weather	K-ESS2-1	ESS2.D	Analyzing and Interpreting Data	Patterns
Biogeology	Organisms Impact Environments	K-ESS2-2	ESS2.E ESS3.C	Engaging in Argument from Evidence	Systems

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 ESS2 Earth's Systems					
Human Impacts on Earth Systems	Reducing Human Impact	K-ESS2-2 K-ESS3-3	ESS3.C ETS1.B	Engaging in Argument from Evidence Obtaining, Evaluating, and Communicating Information	Cause and Effect Systems and System Models
 ESS3 Earth and Human Activity					
Natural Resources	Habitats	K-ESS3-1	ESS3.A	Developing and Using Models	Systems and system Models
	Uses of Natural Resources	K-ESS3-1	ESS3.A	Developing and Using Models	Systems and System Models
Natural Hazards	Weather Hazards	K-ESS3-2	ESS3.B ETS1.A	Asking Questions and Defining Problems Obtaining, Evaluating, and Communicating Information	Cause and Effect