

Component Idea	Scope	Performance Expectation (PE)	Disciplinary Core Idea (DCI)	Science and Engineering Practice(s) (SEP)	Crosscutting Concepts (CCC)
 <b>PS1: Matter and Its Interactions</b>					
Structure and Property of Matter	<b>Matter is Everywhere</b>	5-PS1-1	PS1.A	Develop and Using Models	Scale, Proportion and quantity
	<b>Matter Changing States</b>	5-PS1-2	PS1.A   PS1.B	Using Mathematics and Computational Thinking	Scale, Proportion and quantity
	<b>Properties of Matter</b>	5-PS1-3	PS1.A	Planning and Carrying Out Investigations	Scale, Proportion and quantity
Chemical Reactions	<b>Mixtures</b>	5-PS1-4	PS1.B	Planning and Carrying Out Investigations	Cause and Effect
 <b>PS2: Motion and Stability: Forces and Interactions</b>					
Types of Interactions	<b>Gravity</b>	5-PS2-1	PS2.B	Engaging in Argument from Evidence	Cause and Effect
 <b>PS3: Energy</b>					
Energy in Chemical Processes and Everyday Life	<b>Energy Transfer</b>	5-PS3-1	PS3.D   LS1.C	Developing and Using Models	Energy and Matter
 <b>LS1: From Molecules to Organisms: Structures and Processes</b>					
Organization for Matter and Energy Flow in Organisms	<b>Plant Structures</b>	5-LS1-1	LS1.C	Engaging in Argument from Evidence	Energy and Matter

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**LS2: Ecosystems: Interactions, Energy and Dynamics**

Interdependent Relationships in Ecosystems	<b>Food Webs</b>	5-LS2-1	LS2.A	Developing and Using Models	Systems and System Models
	<b>Basic Needs</b>	5-LS2-1	LS2.A	Developing and Using Models	Systems and System Models
	<b>Ecosystems</b>	5-LS2-1	LS2.A	Developing and Using Models	Systems and System Models
Cycles of Matter and Energy Transfer in Ecosystems	<b>Matter Cycles</b>	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	<b>Observing the Stars</b>	5-ESS1-1	ESS1.A	Engaging in Argument from Evidence	Scale, Proportion and quantity
Earth and the Solar System	<b>Earth's Rotation</b>	5-ESS1-2	ESS1.B	Analyzing and Interpreting Data	Patterns
	<b>Objects in the Sky</b>	5-ESS1-2	ESS1.B	Analyzing and Interpreting Data	Patterns



**ESS2: Earth's Systems**

Earth Materials and Systems	<b>Earth's Systems</b>	5-ESS2-1	ESS2.A	Developing and Using Models	Systems and System Models
	<b>Earth's Systems Interactions</b>	5-ESS2-1	ESS2.A	Developing and Using Models	Systems and System Models
The Roles of Water in Earth's Surface Processes	<b>Water Sources</b>	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	<b>Human Footprint</b>	5-ESS3-1	ESS3.C	Obtaining, Evaluating, and Communicating Information	Systems and System Models
	<b>Reducing Human Footprint</b>	5-ESS3-1	ESS3.C	Obtaining, Evaluating, and Communicating Information	Systems and System Models