

<b>Unifying Themes</b>					
<b>Kindergarten</b>	<b>Grade One</b>	<b>Grade Two</b>	<b>Grade Three</b>	<b>Grade Four</b>	<b>Grade Five</b>
Cause and effect Patterns Systems and system models	Cause and effect Patterns Structure and function	Cause and effect Energy and matter: flows, cycles, and conservation Patterns Stability and change Structure and function	Cause and effect Patterns Scale, proportion, and quantity Systems and system models	Energy and matter Cause and effect Patterns Systems and system models	Cause and effect Energy and matter Patterns Scale, proportion, quantity Systems and system models

<b>Inquiry and Design</b>					
<b>Kindergarten</b>	<b>Grade One</b>	<b>Grade Two</b>	<b>Grade Three</b>	<b>Grade Four</b>	<b>Grade Five</b>
Analyze and interpret data Ask questions and define problems Construct explanations and design solutions Develop and use models Engage in argument from evidence Obtain, evaluate, and communicate information Plan and carry out investigations	Analyze and interpret data Ask questions and define problems Construct explanations and design solutions Obtain, evaluate, and communicate information Plan and carry out investigations	Analyze and interpret data Ask questions and define problems Construct explanations and design solutions Develop and use models Engage in argument from evidence Plan and carry out investigations Obtain, evaluate, and communicate information	Analyze and interpret data Ask questions and defining problems Construct explanations and design solutions Develop and use models Engage in argument from evidence Obtain, evaluate, and communicate information Plan and carry out investigations	Analyze and interpret data Ask questions and defining problems Construct explanations and design solutions Develop and use models Engage in argument from evidence Obtain, evaluate, and communicate information Plan and carry out investigations	Analyze and interpret data Ask questions and defining problems Develop and use models Engage in argument from evidence Obtain, evaluate, and communicate information Plan and carry out investigations Use mathematics and computational thinking

<b>Physical Science</b>					
<b>Kindergarten</b>	<b>Grade One</b>	<b>Grade Two</b>	<b>Grade Three</b>	<b>Grade Four</b>	<b>Grade Five</b>
Forces and motion Types of interactions Energy and forces Conservation of energy Energy Transfer	Sound Light	Structure and properties of matter Chemical reactions	Forces and motion Types of interactions	Energy Conservation of energy and energy transfer Relationship between energy and forces Energy in chemical processes and everyday life Wave properties Light Electricity Magnetism	Structure and properties of matter Chemical reactions Types of interactions Energy in chemical processes and everyday life Organization for matter and energy flow in organisms

<b>Life Science</b>					
<b>Kindergarten</b>	<b>Grade One</b>	<b>Grade Two</b>	<b>Grade Three</b>	<b>Grade Four</b>	<b>Grade Five</b>
Matter and energy flow in organisms	Structure and function Growth and development of organisms Inheritance of traits Variation of traits	Interdependent relationships in ecosystems Biodiversity and humans	Growth and development of organisms Interactions and group behavior Inheritance of traits Variation of traits Ecosystem dynamics, function, resilience Evidence of common ancestry and diversity Natural selection Adaptation Biodiversity and humans	Structure and function Information processing	Organization for matter and energy flow in organisms Interdependent relationships in ecosystems Cycles of matter and energy transfer in ecosystems

<b>Earth and Space Science</b>					
<b>Kindergarten</b>	<b>Grade One</b>	<b>Grade Two</b>	<b>Grade Three</b>	<b>Grade Four</b>	<b>Grade Five</b>
Weather and climate Biogeology Human impact on Earth systems Natural resources Natural hazards	Universe and stars Earth and solar system	History of planet Earth Earth materials and systems Plate tectonics and large scale system interactions Roles of water in Earth's surface processes	Weather and climate Natural hazards	History of planet Earth Earth materials and systems Plate tectonics and large scale system interactions Biogeology Natural resources Natural hazards	The universe and its stars Earth and the solar system Earth materials and systems Roles of water in Earth's surface processes Human impact on Earth systems