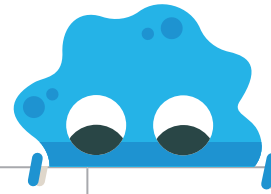


Scope and Sequence

	GRADE K	GRADE 1	GRADE 2
	The NGSS SEPs , DCIs and CCCs are fully integrated in the topics. They can also be introduced, reviewed, and reinforced using the SEPs and CCCs Preview Presentation and Activities in the course.		
Physical Science	TOPIC 1 Pushes and Pulls 1 Push and Pull 2 Speed and Direction 3 Change How Objects Move	TOPIC 1 Light and Sound 1 Investigate Sound 2 Observe Light 3 Investigate Light and Objects	TOPIC 1 Matter 1 Properties of Matter 2 Using Materials 3 Building with Matter TOPIC 2 Changing Matter 1 Reversible Changes 2 Irreversible Changes
Earth Science	TOPIC 2 Weather and Climate 1 Sunlight and Earth’s Surface 2 Weather Patterns 3 Severe Weather	TOPIC 2 The Sky 1 Observe the Sun, Moon, and Stars 2 Predict Patterns in the Sky 3 Observe Daylight Changes	TOPIC 3 Modeling Earth’s Surface 1 Modeling Patterns of Land 2 Patterns of Earth’s Water TOPIC 4 Earth’s Changing Surface 1 Rapid Changes 2 Slow Changes 3 Solutions for Surface Changes
Life Science	TOPIC 3 Needs of Living Things 1 Needs of Plants 2 Needs of Animals 3 Where Plants and Animals Live TOPIC 4 Living Things and Their Environment 1 Plants and Animals Change the Environment 2 People Change the Environment 3 People Can Protect the Environment	TOPIC 3 Plants 1 Plant Parts and Needs 2 Plant Parents and Young TOPIC 4 Animals 1 Animal Parts and Needs 2 Patterns of Animal Behavior 3 Animal Parents and Young	TOPIC 5 Interactions in Ecosystems 1 Plant Survival 2 Interactions of Living Things 3 Comparing Land and Water Habitats





GRADE 3	GRADE 4	GRADE 5
The NGSS SEPs , DCIs and CCCs are fully integrated in the topics. They can also be introduced, reviewed, and reinforced using the SEPs and CCCs Preview Presentation and Activities in the course.		
TOPIC 1 Forces and Motion 1 Investigating Forces 2 Patterns of Motion TOPIC 2 Electric and Magnetic Interactions 1 Electric Interactions 2 Magnetic Interactions 3 Designing with Magnets	TOPIC 1 Energy and Motion 1 Energy and Energy Transfer 2 Motion, Speed, and Collisions 3 Energy Transformations and Electric Circuits TOPIC 2 Waves 1 Patterns of Waves 2 Waves and Information	TOPIC 1 Matter 1 Properties of Matter 2 Model Matter TOPIC 2 Changes in Matter 1 Physical Changes 2 Chemical Changes 3 Mixtures and Solutions
TOPIC 3 Weather Patterns 1 Seasons 2 Predicting Weather 3 Designing for Weather Hazards 4 World Climates	TOPIC 3 Human Uses of Energy 1 Energy Conversions 2 Nonrenewable Energy Resources 3 Renewable Energy Resources TOPIC 4 Patterns on Earth 1 Fossils and Rock Formations 2 Weathering and Erosion 3 Patterns of Earth's Features 4 Impacts of Natural Hazards	TOPIC 3 Earth's Systems 1 Geosphere and Biosphere 2 Atmosphere and Hydrosphere 3 Earth's Water 4 Interactions Among Earth's Systems TOPIC 4 Human Impacts on Earth's Systems 1 Human Activities and Earth's Resources 2 Human Activities and Earth's Environments 3 Protecting the Earth System TOPIC 5 Patterns in Space 1 Earth's Gravitational Forces 2 Stars and the Sun 3 Earth's Movements in Space 4 Patterns Over Time
TOPIC 4 Life Cycles and Traits 1 Life Cycle Models 2 Patterns of Inherited Traits 3 Traits Influenced by Environments TOPIC 5 Adaptations and Survival 1 Survival of Individuals 2 Survival of Groups 3 Survival When Environments Change TOPIC 6 Fossil Evidence 1 Fossils 2 Fossils as a Record	TOPIC 5 Structures and Functions 1 Structures and Functions of Plants 2 Structures and Functions of Animals 3 Animal Vision 4 Animal Senses and Responses	TOPIC 6 Matter and Energy in Ecosystems 1 What Plants Need to Grow 2 Organisms and Energy 3 Matter in Ecosystems