

		WOW! Zone	Avionics	Earth & Weather	River of Knowledge	Energy & Fossils	Kids in the Kitchen	Engineering	Brain Power	Sound & Light	Drive to Excel	InspireWorks
Earth and Space Science	Daily and Seasonal Changes	Weather Changes are long-term and short term										
		The moon, sun and stars can be observed at different times of the day or night.										
Life Science	Physical and Behavioral Traits of Living Things	Living things are different from nonliving things										
		Living things have physical traits and behaviors, which influence their survival										
Physical Science	Properties of Everyday Objects and Materials	Objects and materials can be sorted and described by their properties										
		Some objects can be made to vibrate to produce sound										

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Earth and Space Science	Sun, Energy, and Weather	The sun is the principal source of energy.										
		The physical properties of water can change.										
Life Science	Basic Needs of Living Things	Living things have basic needs, which are met by obtaining materials from the physical environment.										
		Living things survive only in environments that meet their needs										
Physical Science	Motions and Materials	Properties of objects and materials can change.										
		Objects can be moved in a variety of ways, such as straight, zigzag, circular and back and forth.										

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Earth and Space Science	The Atmosphere	The atmosphere is made up of air										
		Water is present in the air.										
		Long- and short-term weather changes occur due to changes in energy.										
Life Science	Interactions within habitats	Living things cause changes on Earth.										
		Some kinds of individuals that once lived on Earth have completely disappeared, although they were something like others										
Physical Science	Changes in motion	Forces change the motion of an object.										

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Earth and Space Science	Earth's Resources	Earth's nonliving resources have specific properties.										
		Earth's resources can be used for energy.										
		Some of Earth's resources are limited.										
Life Science	Behavior, Growth and Changes	Offspring resemble their parents and each other.										
		Individuals of the same kind differ in their traits and sometimes the differences give individuals an advantage in surviving and reproducing.										
		Plants and animals have life cycles that are part of their adaptations for survival in their natural environments.										
Physical Science	Matter and Forms of Energy	All objects and substances in the natural world are composed of matter.										
		Matter exists in different states, each of which has different properties.										
		Heat, electrical energy, light, sound and magnetic energy are forms of energy.										

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Earth and Space Science	Earth's Surface	<i>Earth's surface has specific characteristics and landforms that can be identified.</i>										
		<i>The surface of Earth changes due to weathering.</i>										
		<i>The surface of Earth changes due to erosion and deposition</i>										
Life Science	Earth's Living History	<i>Changes in an organism's environment are sometimes beneficial to its survival and sometimes harmful.</i>										
		<i>Fossils can be compared to one another and to present-day organisms according to their similarities and differences.</i>										
Physical Science	Electricity, Heat and Matter	<i>The total amount of matter is conserved when it undergoes a change.</i>										
		<i>Energy can be transformed from one form to another or can be transferred from one location to another.</i>										

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Earth and Space Science	Cycles and Patterns in the Solar System	The solar system includes the sun and all celestial bodies that orbit the sun. Each planet in the solar system has unique characteristics.										
		The sun is one of many stars that exist in the universe.										
		Most of the cycles and patterns of motion between the Earth and sun are predictable.										
Life Science	Interconnections within Ecosystems	Organisms perform a variety of roles in an ecosystem.										
		All of the processes that take place within organisms require energy.										
Physical Science	Light, Sound and Motion	The amount of change in movement of an object is based on the mass* of the object and the amount of force exerted.										
		Light and sound are forms of energy that behave in predictable ways.										

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Earth and Space Science	Rocks, Minerals and Soil	Minerals have specific, quantifiable properties.										
		Igneous, metamorphic and sedimentary rocks have unique characteristics that can be used for identification and/or classification.										
		Igneous, metamorphic and sedimentary rocks form in different ways.										
		Soil is unconsolidated material that contains nutrient matter and weathered rock.										
		Rocks, minerals and soils have common and practical uses.										
Life Science	Cellular to Multicellular	Cells are the fundamental unit of life.										
		All cells come from pre-existing cells.										
		Cells carry on specific functions that sustain life.										
		Living systems at all levels of organization demonstrate the complementary nature of structure and function.										
Physical Science	Matter and Motion	All matter is made up of small particles called atoms.										
		Changes of state are explained by a model of matter composed of atoms and/or molecules that are in motion.										
		There are two categories of energy: kinetic and potential.										
		An object's motion can be described by its speed and the direction in which it is moving.										

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Earth and Space Science	Cycles and Patterns of Earth and the Moon	The hydrologic cycle illustrates the changing states of water as it moves through the lithosphere, biosphere, hydrosphere and atmosphere.										
		Thermal-energy transfers in the ocean and the atmosphere contribute to the formation of currents, which influence global climate patterns.										
		The atmosphere has different properties at different elevations and contains a mixture of gases that cycle through the lithosphere, biosphere, hydrosphere and										
		The relative patterns of motion and positions of the Earth, moon and sun cause solar and lunar eclipses, tides and phases of the moon.										
Life Science	Cycles of Matter and Flow of Energy	Matter is transferred continuously between one organism to another and between organisms and their physical environments.										
		In any particular biome, the number, growth and survival of organisms and populations depend on biotic and abiotic factors.										
Physical Science	Conservation of Mass and Energy	The properties of matter are determined by the arrangement of atoms.										
		Energy can be transformed or transferred but is never lost.										
		Energy can be transferred through a variety of ways.										

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Earth and Space Science	Physical Earth	The composition and properties of Earth's interior are identified by the behavior of seismic waves.											
		Earth's crust consists of major and minor tectonic plates that move relative to each other.											
		A combination of constructive and destructive geologic processes formed Earth's surface.											
		Evidence of the dynamic changes of Earth's surface through time is found in the geologic record.											
Life Science	Species and Reproduction	Diversity of species occurs through gradual processes over many generations. Fossil records provide evidence that changes have occurred in											
		Reproduction is necessary for the continuation of every species.											
		The characteristics of an organism are a result of inherited traits received from parent(s).											
Physical Science	Forces and Motion	Forces between objects act when the objects are in direct contact or when they are not touching.											
		Forces have magnitude and direction.											
		There are different types of potential energy.											