

Curriculum Map

	September	October	November	December
Unit Title/Theme Essential Question	Science questions can be answered by carrying out careful investigations.	Earth is constantly changed by processes that occur on and within its crust, in its atmosphere, and on and within its waters. These processes produce rocks and minerals and act to change rocks from one kind to another.	Weather is predicted by observing the relationships among changes in Earth's atmosphere. The never ending processes of the water cycle connect the ocean to weather and precipitation. The universe is a vast, interactive and ever changing system.	Energy causes changes in the states of matter. The forms of energy, including thermal energy, sound, and light interact with matter to provide practical applications in everyday life.
Related Literature	*see Harcourt Correlated Leveled Reader List	*see Harcourt Correlated Leveled Reader List	*see Harcourt Correlated Leveled Reader List	*see Harcourt Correlated Leveled Reader List
Content (include specific vocabulary)	Standard measure* Microscope Pan balance* Spring scale Observation* Inference* Hypothesis* Experiment* Scientific method	Weathering* Erosion* Volcano Earthquake Deposition Glacier	Water cycle* Tornado Precipitation* Hurricane Evaporation* Condensation* Rain* Sleet* Snow* Hail*	Matter* Physical change* Mass* Chemical change* Volume* Physical property* Density* Chemical property* State of matter* Solid* Chemical reaction Liquid* Compound Gas* Change of state*
Skills and Three Specific Literacy Strategies				

Assessments	*performance task activities	*performance task activities	*performance task activities	*performance task activities
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Curriculum Map

	January	February	March	April
Unit Title/Theme Essential Question	Forces are how all matter interacts. All movement begins and ends when a force interacts with an object.	See January.	Living things have basic structural differences that scientists use to classify them. Most organisms grow and mature through several distinct stages of life that makeup the organism's life cycle.	See March.
Related Literature	*see Harcourt Correlated Leveled Reader List	*see Harcourt Correlated Leveled Reader List	*see Harcourt Correlated Leveled Reader List	*see Harcourt Correlated Leveled Reader List
Content (include specific vocabulary)	Static electricity Current electricity* Series circuit Parallel circuit Conductor* Insulator* Magnet* Magnetic pole* Magnetic field* Electromagnet Generator Electric motor Potential energy Kinetic energy	Hydroelectric power Geothermal energy Solar energy Mechanical energy* Chemical energy* Position Motion* Speed* Velocity Acceleration Force* Inertia Gravity* Weight* Friction*	Organism* Vertebrates* Invertebrates* Trait* Heredity* Gene Life cycle * Photosynthesis* Direct development Metamorphosis* Instinct* Hibernation* Migration* Learned behavior*	Environment* Ecosystem* Population* Community*
Skills and Three Specific Literacy Strategies				

Assessments	*performance task activities	*performance task activities	*performance task activities	*performance task activities
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Teacher's Name _____ School _____ Grade Level/Course _____ 4 _____ Year 2011-2012 _____

Curriculum Map

	May	June		
Unit Title/Theme	See March.	Review NYS concepts, vocabulary and measurement. If time: Unit A Lesson 1 and 2 or Unit D Chapter 10		
Related Literature	*see Harcourt Correlated Leveled Reader List	*see Harcourt Correlated Leveled Reader List		

Content (include specific vocabulary)	Producer* Consumer* Herbivore* Carnivore* Omnivore* Decomposer* Habitat* Niche* Food chain* Prey* Predator* Food web* Energy pyramid*			
Skills				
Assessments	*performance task activities	*performance task activities		