

## New York City Science Standards Correlation

		Inquiry Investigations™ Physical Science Series I - 1013060																		
Grade Level	Unit	Concepts	UNIT 1 THE WORLD OF PHYSICAL SCIENCE					UNIT 2 HEAT AND ENERGY					UNIT 3 LIGHT AND OPTICS					UNIT 4 ELECTRICITY		
			Exploring the Scientific Method LAB 1013080		Exploring the Science of Measurement LAB 1013082			Exploring Heat and Energy LAB 1013084					Exploring Light and Optics LAB 1013086					Exploring Electricity LAB 1013088		
			Effect of temperature on the emergence of sponge creatures	Effect of pH on the emergence of sponge creatures	The metric system (SI)	Measuring density	Measuring temperature	Measuring pH	Measuring low concentrations of water pollutants	Heat of fusion of ice	Thermal conductivity of different metals	Thermal expansion	Demonstrating radiant heat and energy	Calibration of a thermometer	Visible light spectrum	What is color?	Reflection of light	Polarized light	The laser	The electroscope
Grade 6 Transformation of Energy: Systems	Unit 1 Simple and Complex Machines	Potential and kinetic energy																		
		Principle of the Conservation of Energy																		
	Unit 2 Weather	Properties of matter																		
		Heating and cooling events																		
Grade 7 Cycles of Matter & Energy: Form & Function: Classification	Unit 2 Interactions Between Matter and Energy	Properties of sound and light																		
		Properties of matter																		
		Physical and chemical changes																		

## New York City Science Standards Correlation

		Inquiry Investigations™ Physical Science Series II - 1013061																		
Grade Level	Unit	Concepts	UNIT 1 GRAVITY				UNIT 2 MAGNETISM				UNIT 3 PROPERTIES OF SOUND				UNIT 4 FORCES, MOTION, AND SIMPLE MACHINES					
			Exploring Gravity LAB 1013090				Exploring Magnetism LAB 1013092				Exploring Sound Waves LAB 1013094				Exploring Force and Motion LAB 1013096			Exploring Simple Machines LAB 1013098		
			Determination of the density of a solid	Learning about gravitation	Archimedes principle	Teacher demonstration - pressure	Investigating the behavior of the magnetic compass	The magnetic field of a bar magnet	Constructing an electromagnet	Electromagnetic induction	Investigating properties of sound	Interaction of sound waves	Doppler effect	Observing the properties of a wave	Investigating Newton's laws of motion	Friction	Rotational inertia	Collisions	The lever	The pulley
Grade 6 Transformation of Energy; Systems	Unit 1 Simple and Complex Machines	Potential and kinetic energy																		
		Mechanical energy																		
		Complex machines																		
		Principle of the Conservation of Energy																		
Grade 8 Constant Change	Unit 3 Earth, Sun, Moon System	Seasons and cycles: Relationships among the Sun, Earth, and Moon																		
	Unit 4 Forces and Motion on Earth	Motion and Newton's Laws																		