

Massachusetts State Science Standards Correlation

		Inquiry Investigations™ Physical Science Series I - 1013060																			
Standard	Broad Topic	Learning Standard	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 electroscopes	Electrolytes
Physical Science	Properties of Matter	Properties of Matter																			
	Motion and Forces	Motion of Objects																			
	Energy	Forms of Energy																			
		Heat Energy																			
Technology / Engineering	The Engineering Design Process	Engineering Design																			
	The Designed World	Communication Technologies																			
		Manufacturing Technologies																			
		Construction Technologies																			
		Transportation Technologies																			
Bioengineering Technologies																					

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		Inquiry Investigations™ Physical Science Series II - 1013061																		
Standard	Broad Topic	Learning Standard	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
Earth and Space Sciences	Earth in the Solar System	The Earth in the Solar System																		
Physical Science	Motion and Forces	Motion of Objects																		
	Energy	Forms of Energy																		
Technology / Engineering	Materials and Tools	Materials, Tools, and Machines																		
	The Engineering Design Process	Engineering Design																		