

Texas State Science Standards Correlation

		Inquiry Investigations™ Physical Science Series I - 1013060																				
Objective	Reference #	Knowledge and Skills	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	Electrolytes	Resistors in series and parallel
Objective 1: The Nature of Science	6.1, 7.1, 8.1	The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.																				
	6.2, 7.2, 8.2	The student scientific inquiry methods during field laboratory investigations.																				
	6.3, 7.3, 8.3	The student uses critical thinking and scientific problem solving to make informed decisions.																				
	6.4, 7.4, 8.4	The student knows how to use a variety of tools to conduct science inquiry.																				
		The student knows that relationships exist between science and technology.																				
Objective 2: Living Systems and the Environment	6.5	The student knows that systems may combine with other systems to form a larger system.																				
	6.8, 7.8, 8.10	The student knows that complex interactions occur between matter and energy.																				
Objective 3: Structures and Properties of Matter	6.7, 7.7, 8.9	The student knows that substances have physical and chemical properties.																				
	8.8	The student knows that matter is composed of atoms.																				
Objective 4: Motion, Forces, & Energy	6.9	The student knows that obtaining, transforming, and distributing energy affects the environment.																				

Texas State Science Standards Correlation

			Inquiry Investigations™ Physical Science Series II - 1013061																	
Objective	Reference #	Knowledge and Skills	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
Objective 1: The Nature of Science	6.1, 7.1, 8.1	The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.																		
	6.2, 7.2, 8.2	The student scientific inquiry methods during field laboratory investigations.																		
	6.3, 7.3, 8.3	The student uses critical thinking and scientific problem solving to make informed decisions.																		
	6.4, 7.4, 8.4	The student knows how to use a variety of tools to conduct science inquiry.																		
		The student knows that relationships exist between science and technology.																		
Objective 2: Living Systems and the Environment	6.5	The student knows that systems may combine with other systems to form a larger system.																		
	6.8, 7.8, 8.10	The student knows that complex interactions occur between matter and energy.																		
Objective 3: Structures and Properties of Matter	6.7, 7.7, 8.9	The student knows that substances have physical and chemical properties.																		
Objective 4: Motion, Forces, and Energy	6.6, 7.6, 8.7	The student knows that there is a relationship between force and motion.																		
	6.9	The student knows that obtaining, transforming, and distributing energy affects the environment.																		
Objective 5: Earth and Space Systems	6.13, 7.13	The student knows components of our solar system.																		
	6.14	The student knows the structures and functions of Earth systems.																		