

## New Mexico State Science Standards Correlation

			Inquiry Investigations™ Physical Science Series I - 1013060																			
Strand	Standard	Benchmark	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
Scientific Thinking and Practice	Standard I: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically.	Benchmark 1: Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.																				
		Benchmark 2: Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.																				
		Benchmark 3: Understand use mathematical ideas, tools, and techniques to understand scientific knowledge.																				
Content of Science	Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy and the interactions between matter and energy.	Benchmark 1: Know the forms and properties of matter and how matter interacts.																				
		Benchmark 2: Explain the physical processes involved in the transfer, change, and conservation of energy.																				
Science and Society	Standard I: Understand how scientific discoveries, inventions, practices and knowledge influence, and are influenced by, individuals and societies.	Benchmark 1: Explain how scientific discoveries and inventions have changed individuals and societies.																				

## New Mexico State Science Standards Correlation

			Inquiry Investigations™ Physical Science Series II - 1013061																		
Strand	Standard	Benchmark	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	The inclined plane
Scientific Thinking and Practice	Standard I: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically.	Benchmark 1: Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.																			
		Benchmark 2: Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.																			
		Benchmark 3: Understand use mathematical ideas, tools, and techniques to understand scientific knowledge.																			
Content of Science	Standard I (Physical Science): Understand the structure and properties of matter, the characteristics of energy and the interactions between matter and energy.	Benchmark 1: Know the forms and properties of matter and how matter interacts.																			
		Benchmark 2: Explain the physical processes involved in the transfer, change, and conservation of energy.																			
		Benchmark 3: Describe and explain forces that produce motion in objects.																			
	Standard III (Earth and Space Science): Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth's systems.	Benchmark 1: Describe how the concepts of energy, matter, and force can be used to explain the observed behavior of the solar system, and their structures.																			
		Benchmark 2: Describe the structure of Earth and its atmosphere and explain how energy, matter, and forces shape Earth's systems.																			
Science and Society	Standard I: Understand how scientific discoveries, inventions, practices, and knowledge influence, and are influenced by, individuals and societies.	Benchmark 1: Explain how scientific discoveries and inventions have changed individuals and societies.																			