

District of Columbia Science Standards Correlation

Standard		Content Standard		Performance Standard		Inquiry Investigations™ Physical Science Series I - 1013060																			
						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	Resistors in series and parallel
Scientific Inquiry	Content Standard 1: Understand and develop abilities to do scientific inquiry by asking questions based on current knowledge, performing investigations and devising logical explanations.		Develop hypotheses																						
Physical Science	Content Standard 3: Observe, investigate, describe, and explain the structure, properties and changes in properties of matter; forms of energy, its transfer actions, interactions and conservation; motions and forces; chemical reactions; interactions of energy and matter.		Properties and Changes of Properties in Matter																						
			Energy Transformation																						

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		Inquiry Investigations™ Physical Science Series II - 1013061																		
Standard	Content Standard	Performance 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
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		Energy Transformation																		
		Motion and Forces																		