

CORRELATIONS BETWEEN
State of Hawaii Science Education Standards
For Grade 6
and
Seeds of Science/Roots of Reading[®]

Units for Grades 2 through 5:

Soil Habitats
Shoreline Science
Designing Mixtures
Gravity & Magnetism
Light Energy
Weather & Water
Variation and Adaptation
Digestion and Body Systems
Planets & Moons
Aquatic Ecosystems
Models of Matter
Chemical Changes



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Hawaii Science Standards – 6th Grade

Hawaii Science Standards – 6th Grade	2 nd - 3 rd Grade				3 rd - 4 th Grade				4 th - 5 th Grade			
	Soil Habitats	Shoreline Science	Designing Mixtures	Gravity & Magnetism	Light Energy	Weather & Water	Variation and Adaptation	Digestion & Body Systems	Planets & Moons	Aquatic Ecosystems	Models of Matter	Chemical Changes
The Scientific Process Standard 1: The Scientific Process: SCIENTIFIC INVESTIGATION: Discover, invent, and investigate using the skills necessary to engage in the scientific process												
Scientific Inquiry												
SC.6.1.1 Formulate a testable hypothesis that can be answered through a controlled experiment									
SC.6.1.2 Use appropriate tools, equipment, and techniques safely to collect, display, and analyze data				
The Scientific Process Standard 2: The Scientific Process: NATURE OF SCIENCE: Understand that science, technology, and society are interrelated												
Science, Technology, and Society												
SC.6.2.1 Explain how technology has an impact on society and science							
SC.6.2.2 Explain how the needs of society have influenced the development and use of technologies												
Life and Environmental Sciences Standard 3: Life and Environmental Sciences: ORGANISMS AND THE ENVIRONMENT: Understand the unity, diversity, and interrelationships of organisms, including their relationship to cycles of matter and energy in the environment												
Cycles of Matter and Energy												
SC.6.3.1 Describe how matter and energy are transferred within and among living systems and their										...		

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Hawaii Science Standards – 6th Grade

Hawaii Science Standards – 6th Grade	2 nd - 3 rd Grade				3 rd - 4 th Grade				4 th - 5 th Grade			
	Soil Habitats	Shoreline Science	Designing Activities	Gravity & Magnetism	Light Energy	Weather & Water	Variation and Adaptation	Digestion & Body Systems	Planets & Moons	Aquatic Ecosystems	Models of Matter	Chemical Changes
physical environment												
Life and Environmental Sciences Standard 4: Life and Environmental Sciences: STRUCTURE AND FUNCTION IN ORGANISMS: Understand the structures and functions of living organisms and how organisms can be compared scientifically SC.6.4. No benchmark at this level												
Life and Environmental Sciences Standard 5: Life and Environmental Sciences: DIVERSITY, GENETICS, AND EVOLUTION: Understand genetics and biological evolution and their impact on the unity and diversity of organisms SC.6.5. No benchmark at this level												
Physical, Earth, and Space Sciences Standard 6: Physical, Earth, and Space Sciences: NATURE OF MATTER AND ENERGY: Understand the nature of matter and energy, forms of energy (including waves) and energy transformations, and their significance in understanding the structure of the universe Energy and its Transformation												
SC.6.6.1 Compare how heat energy can be transferred through conduction, convection, and radiation												
SC.6.6.2 Describe the different types of energy transformations					•••							
SC.6.6.3 Explain how energy can change forms and is conserved					•••							
SC.6.6.4 Describe and give examples of different types of energy waves					•							
Nature of Matter												

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SC.6.6.5 Explain how matter can change physical or chemical forms, but the total amount of matter remains constant										
SC.6.6.6 Describe and compare the physical and chemical properties of different substances										
SC.6.6.7 Describe the organization of the periodic table											.	
SC.6.6.8 Recognize changes that indicate that a chemical reaction has taken place											...	
SC.6.6.9 Describe matter using the atomic model						
Waves												
SC.6.6.10 Explain how vibrations in materials set up wavelike disturbances that spread away from the source												
Physical, Earth, and Space Sciences												
Standard 7: Physical, Earth, and Space Sciences: FORCE AND MOTION: Understand the relationship between force, mass, and motion of objects; and know the major natural forces: gravitational, electric, and magnetic												
Force and Motion												
SC.6.7.1 Describe examples of how forces affect an object's motion												
Forces of the Universe												
SC.6.7.2 Explain that electric currents can produce												

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magnetic effects and that magnets can cause electric currents												
<p>Physical, Earth, and Space Sciences Standard 8: Physical, Earth, and Space Sciences: EARTH AND SPACE SCIENCE: Understand the Earth and its processes, the solar system, and the universe and its contents</p>												
SC.6.8. No benchmark at this level												

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