



This correlation chart shows how *Functional Geography Levels 6-9* is aligned to the National Science Content Standards.

National Science Content Standards	Creation of the Universe/Solar System (Chapter 1)	Solar Energy (Chapter 2)	Movements of the Earth and the Consequences (Chapter 3)	Safety First	Measurement Activities
Grades K-4					
4A. Science as Inquiry (SI)					
(4SI1) Abilities necessary to do scientific inquiry	✓	✓	✓		✓
(4SI2) Understandings about scientific inquiry	✓	✓	✓		✓
4B. Physical Science (PS)					
(4PS1) Properties of objects and materials	✓	✓			
(4PS2) Position and motion of objects					
(4PS3) Light, heat, electricity, and magnetism	✓	✓	✓		
4C. Life Science (LS)					
(4LS1) The characteristics of organisms			✓		
(4LS2) Life cycles of organisms			✓		
(4LS3) Organisms and their environments			✓		
4D. Earth and Space Science (ESS)					
(4ESS1) Properties of earth materials	✓	✓			
(4ESS2) Objects in the sky	✓	✓	✓		
(4ESS3) Changes in the earth and sky	✓	✓	✓		
4E Science and Technology (EST)					
(4EST1) Abilities of technological design	✓	✓	✓		✓
(4EST2) Understanding about science and technology	✓	✓	✓		✓
4F Science in Personal and Social Perspective (SPSP)					
(4FSPSP1) Personal health				✓	
(4FSPSP4) Changes in environments	✓	✓	✓		
4G History and Nature of Science					
(4GHNS.1) Science as a human endeavor	✓	✓	✓		

National Science Content Standards	Creation of the Universe (Chapter 1)	Solar Energy (Chapter 2)	Movements of the Earth and the Consequences (Chapter 3)	Safety First	Measurement Activities
Grades 5-8					
8A Science as Inquiry					
(8ASI1) Abilities necessary to do scientific inquiry	✓	✓	✓		✓
(8ASI2) Understandings about scientific inquiry	✓	✓	✓		✓
8B Physical Science					
(8BPS1) Properties and changes of properties in matter	✓	✓			
(8BPS2) Motion and forces	✓	✓	✓		
(8BPS3) Transfer of energy	✓	✓	✓		
8C Life Science					
(8CLS1) Structure and function in living systems	✓	✓	✓		
8D. Earth and Space Science					
(8DESS1) Structure of the earth system	✓	✓	✓		
(8DESS2) Earth's history	✓	✓	✓		
(8DESS3) Earth in the solar system	✓	✓	✓		
8E Science and Technology					
(8EST1) Abilities of technological design	✓	✓	✓		✓
(8EST2) Understanding about science and technology	✓	✓	✓		✓
8F Science in Personal and Social Perspective					
(8FSPSP1) Personal health				✓	
(8FSPSP5) Science and technology in society	✓	✓	✓		
8G History and Nature of Science					
(8GHNS.1) Science as a human endeavor	✓	✓	✓		
(8GHNS.2) Nature of science	✓	✓	✓		
(8GHNS.3) History of science	✓	✓	✓		
Grades 9-12					
12A Science as Inquiry					
(12ASI1) Abilities necessary to do scientific inquiry	✓	✓	✓		✓
(12ASI2) Understandings about scientific inquiry	✓	✓	✓		✓
12B Physical Science					
(12BPS2) Structure and properties of atoms	✓	✓			
(12BPS3) Chemical reactions	✓	✓			

National Science Content Standards	Creation of the Universe (Chapter 1)	Solar Energy (Chapter 2)	Movements of the Earth and the Consequences (Chapter 3)	Safety First	Measurement Activities
(12BPS4) Motions and Forces	✓	✓			
(12BPS5) Conservation of energy and the increase in disorder	✓	✓			
(12BPS6) Interactions of Energy and matter		✓			
12C Life Science					
(12CLS5)Matter, energy, and organization in living systems	✓		✓		
12D Earth and Space Science					
(12DESS1) Energy in the earth system	✓	✓	✓		
(12DESS2) Geochemical cycles	✓	✓			
(12DESS3) The origin and evolution of the earth system	✓	✓			
(12DESS4) The origin and evolution of the universe	✓	✓			
12E Science and Technology					
(12EST1) Abilities of technological design	✓	✓	✓		✓
(12EST2) Understanding about science and technology	✓	✓	✓		✓
12G History and Nature of Science					
(12GHNS.1)Science as a human endeavor	✓	✓	✓		
(12GHNS.2) Nature of science	✓	✓	✓		
(12GHNS.3) History of science	✓	✓	✓		