

# NGSS Integrated Model: Grade 6-8

Table 1. Comparison of When DCIs are Primarily Addressed in the Two Middle School Models

	Disciplinary Core Idea		Subtopic	Preferred Integrated			Discipline Specific		
				6	7	8	6	7	8
Earth & Space	1	Earth’s Place in the Universe	Universe, Stars, Solar System			X	X		
			History of Planet Earth			X	X		
	2	Earth’s Systems	Water Cycle, Weather, Climate	X			X		
			Rock cycle, Plate tectonics		X		X		
	3	Earth and Human Activity	Global climate change causes	X			X		
			Resources availability		X		X		
			Natural hazards		X		X		
			Resource consumption			X	X		
Life	1	From Molecules to Organisms: Structures and Processes	Cells & Body Systems	X				X	
			Photosynthesis & Respiration		X			X	
	2	Ecosystems: Interactions, Energy, and Dynamics			X			X	
	3	Heredity: Inheritance and Variation of Traits	Sexual v. Asexual reproduction	X				X	
			Mutations			X		X	
	4	Biological Evolution: Unity and Diversity				X		X	
Physical	1	Matter and its Interactions	Atoms, Molecules, States of Matter		X				X
			Chemical Reactions		X				X
	2	Motion and Stability: Forces and Interactions				X			X
	3	Energy	Kinetic Energy & Collisions	X		X			X
			Heat & Heat Flow	X					X
			Potential Energies & Gravity			X			X
	4	Waves and Their Applications in Technologies for Information Transfer				X			X
ETS	Every course includes integrations with ETS			X	X	X	X	X	X
SEP	Every course utilizes all 8 SEPs			X	X	X	X	X	X
CCC	Every course highlights all 7 CCCs			X	X	X	X	X	X