

Smithsonian Science For The Classroom Alignment with NGSS Performance Expectations

Grade	Content Area	Performance Expectation																								
			How Can We See Things In the Dark?	How Do Animal Parents Keep Their Babies Safe?	Is a Day Always the Same Length?	How Can We Send a Message Using Sound?	How Do Heating and Cooling Change Things?	What Can Plants and Animals Need Each Other?	How Can We Stop Soil from Washing Away?	What Explains Similarities and Differences Between Motion?	How Do Weather and Climate Affect Our Lives?	How Can We Protect Animals When Their Habitat Changes?	How Does Motion Energy Change in a Collision?	How Can Animals Communicate with Light and Sound?	How Is the Ring of Fire Evidence of a Changing Earth?	How Can We Provide Energy to People's Homes?	How Can We Identify Materials Based on Their Properties?	How Can We Use the Sky to Navigate?	How Can We Predict Change in Ecosystems?	How Can We Provide Freshwater to Those in Need?						
Kindergarten	Physical Science	Motion & Stability	K-PS2-1 K-PS2-2																							
		Energy	K-PS3-1 K-PS3-2																							
		Life Science	From Molecules to Organisms	K-LS1-1																						
	Earth & Space Science	Earth's Systems	K-ESS2-1 K-ESS2-2																							
		Earth and Human Activity	K-ESS3-1 K-ESS3-2 K-ESS3-3																							
		Physical Science	Waves and their Applications	1-PS4-1 1-PS4-2 1-PS4-3 1-PS4-4	X	X																				
1st Grade	Life Science	From Molecules to Organisms	1-LS1-1 1-LS1-2	X	X																					
		Heredity	1-LS3-1		X																					
	Earth & Space Science	Earth's Place in the Universe	1-ESS1-1 1-ESS1-2			X																				
		Physical Science	Matter and its Interactions	2-PS1-1 2-PS1-2 2-PS1-3 2-PS1-4			X	X																		
		Life Science	Ecosystems	2-LS2-1 2-LS2-2				X																		
2nd Grade	Earth & Space Science	Biological Evolution	2-LS4-1					X																		
		Earth's Systems	2-ESS2-1 2-ESS2-2 2-ESS2-3						X																	
		Physical Science	Matter and its Interactions	2-PS1-1 2-PS1-2 2-PS1-3 2-PS1-4					X																	
	K-2	Engineering	Engineering Design	K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	X	X	X	X	X	X																
		Physical Science	Motion and Stability	3-PS2-1 3-PS2-2 3-PS2-3 3-PS2-4							X															
		Life Science	From Molecules to Organisms	3-LS1-1								X														
		Earth & Space Science	Earth's Systems	3-ESS2-1 3-ESS2-2 3-ESS2-3									X													
3rd Grade	Earth & Space Science	Biological Evolution	3-LS4-1 3-LS4-2 3-LS4-3 3-LS4-4									X														
		Earth's Systems	3-ESS2-1 3-ESS2-2									X														
		Physical Science	Motion and Stability	3-PS2-1 3-PS2-2 3-PS2-3 3-PS2-4								X														
		Life Science	From Molecules to Organisms	3-LS1-1 3-LS1-2									X	X												
	4th Grade	Earth & Space Science	Earth and Human Activity	3-ESS3-1									X													
		Physical Science	Energy	4-PS3-1 4-PS3-2 4-PS3-3 4-PS3-4									X													
		Waves and their Applications	4-PS4-1 4-PS4-2 4-PS4-3											X												
5th Grade	Earth & Space Science	Life Science	From Molecules to Organisms	4-LS1-1 4-LS1-2									X	X												
		Earth's Systems	4-ESS2-1 4-ESS2-2											X												
		Physical Science	Energy	4-PS3-1											X											
		Earth and Human Activity	4-ESS3-1 4-ESS3-2													X										
	Engineering	Physical Science	Matter and Its Interactions	5-PS1-1 5-PS1-2 5-PS1-3 5-PS1-4												X										
		Motion and Stability	5-PS2-1														X									
		Life Science	From Molecules to Organisms	5-LS1-1														X								
3rd-5th	Earth & Space Science	Earth & Space Science	Earth's Systems	5-ESS2-1 5-ESS2-2														X								
		Earth and Human Activity	5-ESS3-1															X								
		Physical Science	Motion and Stability	5-PS2-1															X							
		Life Science	From Molecules to Organisms	5-LS1-1															X							
	Engineering	Engineering Design	Engineering Design	3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3									X		X	X	X	X	X	X	X	X	X	X	X	