Next Generation Science Standards **Space Academy** **2025**	Apollo History	Astrobiobound	Astronomy Night - Planets	Astronomy Show (constellations)	Black Holes	Europa Clipper	Exploration Today & Tomorrow	Exploring Celestial Objects	Full STEAM Ahead: Your Place in Spac	Gateway Accords	Heat Shield Design Challenge	Human Factors	International Space Programs	Intro to Additive Manufacturing	Legacy of Space Vehicles	Mind, Body & Space	Model Rockets - Academy	Moon or Mars	Octo-ACCESS/Neutral Buoyancy	Planet Nine	Science of Spaceflight (Newton's Laws)	Space Farming	Space Suit Component Testing	Space Weather Challenge	Stellarium/Zodiac Attack	To the Moon!	Why Space? (NASA Spinoffs)	X-Philes
Earth and Space Science																												
ESS1.A: The Universe and Its Stars		X	X	X	X			X	X											X					X			X
ESS1.B: Earth and the Solar System	X		X	X		X		X	X				X			X		X		X		X	X	X	X	X		X
ESS1.C: The History of Planet Earth						X		X										X										
ESS2.A: Earth Materials and Systems		X						X																X				X
ESS2.B: Plate Tectonics and Large-Scale System Interactions						X																						
ESS2.C: The Roles of Water in Earth's Surface Processes																												
ESS2.D: Weather and Climate																												
ESS2.E: Biogeology		X																										
ESS3.A: Natural Resources		X					X					X	X					X				X						X
ESS3.B: Natural Hazards									X															X				
ESS3.C: Human Impacts of Earth Systems																												
ESS3.D: Global Climate Change																												
Physical Science																												
PS1.A: Structure and Properties of Matter					X	X		X	X					X					X					X			
PS1.B: Chemical Reactions	X			X							X			X									X				
PS1.C Nuclear Processes																												
PS2.A: Forces and Motion		X													X		X				X		X				
PS2.B: Types of Interactions		X			X											X	X	X	X	X	X			X		X		
PS2.C: Stability and Instability in Physical Systems		X																										
PS3.A: Definitions of Energy											X	X											X	X				
PS3.B: Conservation of Energy and Energy Transfer																							X					
PS3.C: Relationship Between Energy and Forces																					X			X				
PS3.D: Energy and Chemical Processes in Everyday Life									X		X											X	X					
PS4.A: Wave Properties																												
PS4.B: Electromagnetic Radiation				X	X			X			X													X				
PS4.C: Information Technologies and Instrumentation																												
Life Science																												
LS1.A: Structure and Function																X						X	X					
LS1.B: Growth and Development of Organisms																												
LS1.C: Organization for Matter and Energy Flow in Organisms		X							X			X										X						X
LS1.D: Information Processing																												
LS2.A: Interdependent Relationships in Ecosystems		X				X			X													X	X					
LS2.B: Cycles of Matter and Energy Transfer in Ecosystems		X										X																X
LS2.C: Ecosystem Dynamics, Functioning, and Resilience																												X
LS2.D: Social Interactions and Group Behavior																												
LS3.A: Inheritance of Traits																												
LS3.B: Variation of Traits																												X
LS4.A: Evidence of Common Ancestry		X																										X
LS4.B Natural Selection																												X
LS4.C: Adaptation																												X
LS4.D: Biodiversity and Humans																												X
Engineering Design, Technology, and the Application of Science																												
ETS1.A: Defining and Delimiting an Engineering Problem		X								X	X					X	X	X	X			X						
ETS1.B: Developing Possible Solutions		X								X	X					X	X		X									
ETS1.C: Optimizing the Design Solution		X									X						X		X									