

Digital Discovery Workshops at the Pacific Science Center help support the following Next Generation Science Standards. Please let your instructor know if there is a particular concept or practice listed that you would like emphasized.

Program Title	Disciplinary Core Idea	Science and Engineering Practices	Cross-Cutting Concepts
Animal Adventures (PreK-2nd)	LS1.A Structure and Function	Developing and Using Models	Patterns
	LS4.C Adaptation	Engaging in Arguments from Evidence	Structure and Function
	LS4.D Biodiversity and Humans		
	ESS3.A Natural Resources		
Wetland Wonderers (PreK-2nd)	LS1.A Structure and Function	Developing and Using Models	Patterns
	LS1.B Growth and Development of Organisms	Constructing Explanations and Designing Solutions	Structure and Function
	LS1.C: Organization for Matter and Energy Flow in Organisms	Asking Questions and Defining Problems	Systems and System Models
	LS2.A: Interdependent Relationships in Ecosystems	Obtaining, Evaluating and Communicating information	
	ESS3.A: Natural Resources		
	ESS3.C: Human Impacts on Earth Systems		
Ecosystem Investigators (3rd-8th)	LS1.A: Structure and Function	Developing and Using Models	Patterns
	LS1.B Growth and Development of Organisms	Constructing Explanations and Designing Solutions	Cause and Effect
	LS1.C: Organization for Matter and Energy Flow in Organisms	Asking Questions and Defining Problems	Energy and Matter
	LS2.A: Interdependent Relationships in Ecosystems	Obtaining, Evaluating and Communicating information	Structure and Function
	LS2.B: Cycles of Matter and Energy Transfer in Ecosystems		Stability and Change
	LS2.C: Ecosystem Dynamics, Functioning, and Resilience		
	LS4.C: Adaptation		
	ESS3.C: Human Impacts on Earth Systems		

Featured Creatures (3rd-8th)	LS1.A: Structure and Function LS4.A: Evidence of Common Ancestry and Diversity LS4.C: Adaptation LS4.D: Biodiversity and Humans	Developing and Using Models Obtaining, Evaluating, and Communicating Information Analyzing and Interpreting Data	Structure and Function Patterns
Night Sky Tonight (PreK-12th)	ESS1.A: The Universe and Its Stars ESS1.B: Earth and the Solar System	Developing and Using Models Engaging in Arguments from Evidence Obtaining, Evaluating, and Communicating information	Systems and System Models Patterns
Planetary Geology (K-12th)	ESS1.B: Earth and the Solar System ESS1.C: The History of Planet Earth ESS2.A: Earth Materials and Systems ESS2.B: Plate Tectonics and Large-Scale System Interactions ESS2.C: The Roles of Water in Earth’s Surface Processes	Asking questions Developing and Using Models Analyzing and Interpreting Data Constructing Explanations	Patterns Systems and System Models Structure and Function Stability and Change
Robots on Mars (3rd-12th)	PS1.A: Structure and Properties of Matter PS4.C: Information Technologies and Instrumentation ETS1.A: Defining and Delimiting an Engineering Problem ETS1.B: Developing Possible Solutions ESS1.C: The History of Planet Earth ESS2.C: The Roles of Water in Earth’s Surface Processes	Asking Questions Planning and Carrying out Investigations Analyzing and Interpreting Data Constructions Explanations, Designing solution Engaging in argument from Evidence Obtaining, Evaluating, and Communicating information	Patterns Scape Proportion and Quantity Systems and Systems Models Structure and Function

Piece of Mind (3rd-8th)	LS1.A: Structure and Function LS1.D: Information Processing	Asking Questions Developing and Using Models Obtaining, Evaluating, and Communicating Information	Patterns Systems and Systems Models Structure and Function
Radical Reactions (K-8th)	PS1.A: Structure and Properties of Matter PS1.B: Chemical Reactions PS3.D: Energy in Chemical Processes and Everyday Life	Asking Questions Constructing Explanations Engaging in Argument from Evidence	Patterns Cause and Effect Scale, Proportion and Quantity Energy and Matter
Global Soundscapes (K-12th)	LS2.A: Interdependent Relationships in Ecosystems LS2.C: Ecosystem Dynamics, Functioning, and Resilience LS4.D: Biodiversity and Humans ESS3.A: Natural Resources ESS3.C: Human Impacts on Earth Systems PS4.A: Wave Properties	Asking Questions Developing and Using Models Analyzing and Interpreting Data	Patterns Cause and Effect Energy and Matter Systems and Models
Stick the Landing (3rd-8th)	ETS1.A: Defining and Delimiting an Engineering Problem ETS1.B: Developing Possible Solutions ETS1.C: Optimizing the Design Solution PS2.A: Forces and Motion PS2.B: Types of Interactions	Asking Questions and Defining Problems Planning and Carrying out investigations Constructing Explanations and Designing Solutions	Patterns Cause and Effect Systems and System Models Energy and Matter Structure and Function

Forces of Energy (3rd-8th)	<p>PS2.A: Forces and Motion</p> <p>PS2.B: Types of Interactions</p> <p>PS2.C: Stability and Instability in Physical Systems</p> <p>PS3.A: Definitions of Energy</p> <p>PS3.B: Conservation of Energy and Energy Transfer</p> <p>PS3.C Relationships Between Energy and Forces</p>	<p>Asking Questions</p> <p>Engaging in Argument from Evidence</p> <p>Obtaining, Evaluating, and Communicating Information</p> <p>Planning and Carrying out Investigations</p> <p>Analyzing and Interpreting Data</p> <p>Developing and Using Models</p>	<p>Scale Proportion and Quantity</p> <p>Systems and System Models</p> <p>Cause and Effect</p> <p>Energy and Matter</p> <p>Interdependence of Science, Engineering, and Technology</p>
-----------------------------------	---	---	---