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NGSS Framework Alignment

GRADE	NGSS TOPIC ARRANGEMENTS	MODULE	MODULE ANCHOR PHENOMENON	CORE PERFORMANCE EXPECTATIONS
GRADE K 	Interdependent Relationships in Ecosystems	My Big Nature Adventure	Different plants and animals live in different places.	K-LS1-1, K-ESS3-1
	Forces and Interactions; Engineering Design	Marble Run Engineer	What happens when we push, pull, and drop objects? How can we change their speed and direction?	K-PS2-1, K-PS2-2, K–2-ETS1-1
	Weather and Climate; Engineering Design	Be Prepared	How do we observe weather and collect data to describe weather patterns over time?	K-ESS2-1, K-ESS3-2, K-PS3-1, K-PS3-2, K–2-ETS1-1, K–2-ETS1-2, K–2-ETS1-3
	Interdependent Relationships in Ecosystems	I Can	How can I protect the environment from changes that harm it?	K-ESS2-2, K-ESS3-3, K–2-ETS1-1
GRADE 1 	Structure, Function, and Information Processing; Engineering Design	Museum of Leafology	How are all plants alike and how are they different?	1-LS1-1, 1-LS3-1, K–2-ETS1-1, K–2-ETS1-2, K–2-ETS1-3
	Waves; Structure, Function, and Information Processing; Engineering Design	Animal Reporters	How do animals use their body parts, communicate with their young, and make sounds?	1-LS1-2, 1-LS3-1, 1-PS4-1, 1-PS4-4, K–2-ETS1-1, K–2-ETS1-2
	Waves	Shadow Town	Why is the town of Rjukan in a shadow?	1-PS4-2, 1-PS4-3
	Space Systems	Patterns in the Sky	What patterns do we observe in the sky?	1-ESS1-1, 1-ESS1-2
GRADE 2 	Earth's Systems	My Journey West	How can we understand and describe the land and water on Earth?	2-ESS2-2, 2-ESS2-3
	Structure and Properties of Matter; Engineering Design	Master of Materials	How can we describe materials as different from one another and understand how their properties relate to their use?	2-PS1-1, 2-PS1-2, 2-PS1-3, 2-PS1-4, K–2-ETS1-2, K–2-ETS1-3
	Earth's Systems; Engineering Design	Save the Island	How do natural processes shape the Earth?	2-ESS1-1, 2-ESS2-1, K–2-ETS1-1, K–2-ETS1-2
	Interdependent Relationships in Ecosystems; Engineering Design	A Garden for Life	How do living things in an environment depend on one another and what do they need to grow?	2-LS2-1, 2-LS2-2, 2-LS4-1, K–2-ETS1-1, K–2-ETS1-2
GRADE 3 	Forces and Interactions; Engineering Design	The Ultimate Playground	How are objects affected by the forces of push and pull?	3-PS2-1, 3-PS2-2, 3-PS2-3, 3-PS2-4, 3–5-ETS1-1, 3–5-ETS1-2, 3–5-ETS1-3
	Inheritance and Variation of Traits	Welcome to the Biodome	How do plants' and animals' life cycles help them survive?	3-LS1-1, 3-LS2-1, 3-LS3-1, 3-LS4-2
	Interdependent Relationships in Ecosystems	How to Survive an Ice Age	What is the relationship between an organism and its environment?	3-LS3-2, 3-LS4-1, 3-LS4-3, 3-LS4-4
	Weather and Climate	Weather Warning HQ	What is the weather like around the world?	3-ESS2-1, 3-ESS2-2, 3-ESS3-1, 3–5-ETS1-1, 3–5-ETS1-2
GRADE 4 	Energy; Engineering Design	Egg Racers	What happens to energy when objects collide?	4-PS3-1, 4-PS3-3, 3–5-ETS1-3
	Energy; Engineering Design	Sparks Energy, Inc.	How do people produce and transfer energy for their use?	4-ESS3-1, 4-PS3-2, 4-PS3-4, 3–5-ETS1-1, 3–5-ETS1-2
	Earth's Systems	Time-Traveling Tour Guides	How have weathering and erosion sculpted some of Earth's most interesting landscapes?	4-ESS1-1, 4-ESS2-1, 4-ESS2-2, 4-ESS3-2, 3-5-ETS1-2
	Earth's Systems; Engineering Design	Earthquake Engineering	How can we reduce the damage caused by earthquakes?	4-PS4-1, 4-ESS2-2, 4-ESS3-2, 3–5-ETS1-1, 3–5-ETS1-2, 3–5-ETS1-3
	Waves; Structure, Function, and Information Processing	Super Survivors	How do the many parts of my body work together to help me live in the world? Communication involves transferring information through waves or signals.	4-LS1-1, 4-LS1-2, 4-PS3-2, 4-PS4-1, 4-PS4-2, 4-PS4-3, 3–5-ETS1-3
GRADE 5 	Structure and Properties of Matter; Engineering Design	Matter Mysteries Hotline	What is matter made of?	5-PS1-1, 5-PS1-2, 5-PS1-3, 5-PS1-4, 3–5-ETS1-3
	Matter and Energy in Organisms and Ecosystems	Yellowstone: Uncovered	How do matter and energy move through an ecosystem?	5-LS1-1, 5-LS2-1, 5-PS3-1
	Earth's Systems; Engineering Design	H2O Response Team	Why do some places lack fresh water and what can we do to protect it?	5-ESS2-1, 5-ESS2-2, 5-ESS3-1, 3–5-ETS1-1, 3–5-ETS1-2, 3–5-ETS1-3
	Space Systems	Galactic Guidebook	What patterns do we notice when we observe the sky?	5-PS2-1, 5-ESS1-1, 5-ESS1-2
GRADE 6 	Structure, Function, and Information Processing; Engineering Design	BioTech Systems Worldwide	How do human body systems and subsystems work together?	MS-LS1-1, MS-LS1-2, MS-LS1-3, MS-LS1-8, MS-ETS1-1, MS-ETS1-2
	Weather and Climate; Energy; Engineering Design	Destination Everywhere!	Weather and climate vary around the world, but we can use science and past trends to predict them.	MS-ESS2-4, MS-ESS2-5, MS-ESS2-6, MS-PS3-3, MS-PS3-4, MS-PS3-5, MS-ETS1-1, MS-ETS1-3
	Growth, Development, and Reproduction of Organisms	The Red List	How do the environment and genetics affect animals and plants?	MS-LS1-4, MS-LS1-5, MS-LS3-2, MS-ETS1-1, MS-ETS1-2
	Weather and Climate; Human Impacts; Engineering Design	Cities of the Future	How can we reduce harmful impacts on the environment in the places where people live?	MS-ESS3-3, MS-ESS3-5, MS-LS1-4, MS-LS1-5, MS-ETS1-1, MS-ETS1-2, MS-ETS1-3, MS-ETS1-4