

INTIWASI SCHOOL

PreK-6th Science Scope and Sequence

Aligned to NGSS (California) · FOSS Next Generation (UC Berkeley)



PreK

Grade / Nivel	Program / Programa	Module / Módulo (FOSS or Exploring Nature)	Domain / Dominio	NGSS Performance Expectations / Estándares NGSS (CA)	Learning Focus / Enfoque de aprendizaje
PreK	<i>Exploring Nature</i>	Discovering the Natural World / Descubriendo el mundo natural	Life & Earth	Preschool Foundations – Observation and Investigation	Exploring with senses; noticing weather, plants, animals; caring for living things.

TK

Grade / Nivel	Program / Programa	Module / Módulo (FOSS or Exploring Nature)	Domain / Dominio	NGSS Performance Expectations / Estándares NGSS (CA)	Learning Focus / Enfoque de aprendizaje
TK	Exploring Nature	Nature Around Us / La naturaleza a nuestro alrededor	Nature Around Us / La naturaleza a nuestro alrededor	K-LS1-1: Needs of living things; K-ESS2-1: Weather patterns	Observing plant and animal needs, seasons, and local environment.

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KINDERGARTEN

Grade / Nivel	Program / Programa	Module / Módulo (FOSS or Exploring Nature)	Domain / Dominio	NGSS Performance Expectations / Estándares NGSS (CA)	Learning Focus / Enfoque de aprendizaje
Kindergarten	<i>FOSS Next Generation</i>	Materials and Motion / Materiales y movimiento	Physical	K-PS2-1, K-PS3-1	Pushes and pulls; motion; energy from the Sun; properties of materials.
Kindergarten	<i>FOSS Next Generation</i>	Trees and Weather / Los árboles y el clima	Earth	K-ESS2-1, K-ESS3-1	Weather observations; effects of weather; plant growth.
Kindergarten	<i>FOSS Next Generation</i>	Animals Two by Two / Animales de dos en dos	Life	K-LS1-1	Observing and comparing animals; identifying needs and habitats.

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1ST GRADE

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Grade 1	<i>FOSS Next Generation</i>	Sound and Light / Sonido y luz	Physical	1-PS4-1-4	Light and sound as forms of energy; investigating waves and communication.
Grade 1	<i>FOSS Next Generation</i>	Plants and Animals / Plantas y animales	Life	1-LS1-1, 1-LS3-1	Structure and function in living things; life cycles; heredity.
1sGrade 1	<i>FOSS Next Generation</i>	Air and Weather / Aire y clima	Earth	1-ESS1-1, 1-ESS1-2	Daily and seasonal patterns; observing sky and atmosphere.

2ND GRADE

August 2025

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Grade 2	FOSS Next Generation	Solids and Liquids / Sólidos y líquidos	Physical	2-PS1-1–4	Investigating properties and changes of matter; mixtures and materials.
Grade 2	FOSS Next Generation	Insects and Plants / Insectos y plantas	Life	2-LS2-1; 2-LS4-1	Interdependence of plants and animals; pollination; habitats.
Grade 2	FOSS Next Generation	Pebbles, Sand, and Silt / Piedras, arena y limo	Earth	2-ESS1-1; 2-ESS2-1	Studying Earth materials; erosion, soil, and rock cycles.

3RD GRADE

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Grade 3	FOSS Next Generation	Motion and Matter / Movimiento y materia	Physical	3-PS2-1-2; 3-PS2-3	Balanced and unbalanced forces; magnets; energy and motion.
Grade 3	FOSS Next Generation	Structures of Life / Estructuras de la vida	Life	3-LS1-1; 3-LS3-1; 3-LS4-2	Life cycles; organism structure and function; adaptation and diversity.
Grade 3	FOSS Next Generation	Water and Climate / Agua y clima	Earth	3-ESS2-1; 3-ESS3-1	Water cycle; climate patterns; effects of water on Earth's surface.

4TH GRADE

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Grade 4	FOSS Next Generation	Energy / Energía	Physical	4-PS3-1-4; 4-PS4-2	Transfer and transformation of energy; waves and motion.
Grade 4	FOSS Next Generation	Environments / Entornos	Life	4-LS1-1; 4-LS1-2	Systems in living things; adaptation to environment; human impact.
Grade 4	FOSS Next Generation	Soils, Rocks, and Landforms / Suelos, rocas y formaciones terrestres	Earth	4-LS1-1; 4-LS1-2	Systems in living things; adaptation to environment; human impact.

5TH GRADE

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Grade 5	<i>FOSS Next Generation</i>	Mixtures and Solutions / Mezclas y soluciones	Physical	5-PS1-1–4	Conservation of matter; dissolving and separating mixtures.
Grade 5	<i>FOSS Next Generation</i>	Living Systems / Sistemas vivos	Life	5-LS1-1; 5-LS2-1	Interconnected systems in plants, animals, and ecosystems; energy flow.
Grade 5	<i>FOSS Next Generation</i>	Earth and Sun / La Tierra y el Sol	Earth & Space	5-ESS1-1–2	Patterns of day, night, and seasons; Earth's place in the solar system.

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Grade 6

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Grade 6	FOSS Next Generation	Diversity of Life / Diversidad de la vida	Physical	S-LS1-1–8	Cells, systems, and biodiversity; microscopic structures and classification.
Grade 6	FOSS Next Generation	Electromagnetic Force / Fuerza electromagnética	Life	MS-PS2-1–5	Forces, electricity, magnetism, and their interactions in systems.
Grade 6	FOSS Next Generation	Planetary Science / Ciencia planetaria	Earth & Space	MS-ESS1-1–3	The solar system; motion of Earth, Moon, and planets; gravity and scale.