PLTW Launch Standards Guide

Georgia Standards of Excellence

PLTW Launch (PreK-5) is designed to support your learning needs. The modules are developed to ensure an unmatched experience, combining three-dimensional learning; unique, problem-based instructional approach; real-world applied learning; as well as Spanish language options – all in one program.

This Standards Guides shows how each PLTW Launch module supports the Georgia Standards of Excellence. Because schools need the flexibility to implement the curriculum in the way that best meets their students' needs, PLTW Launch is designed to support a wide range of implementations. Whether the modules are offered in all classrooms, as a specials rotation, as grade level rotations, as an after-school program, or even as a summer learning implementation, PLTW Launch offers the flexibility to meet your needs.

Use this Standards Guide in combination with the Module Descriptions PDF as planning tools to explore how you can implement PLTW Launch as your elementary learning solution.

PLTW LAUNCH

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Kindergarten

		Performance Expectation	PLTW Launch Modules
Earth and Space Science	SKE1.	Obtain, evaluate, and communicate observations about time patterns (day to night and night to day) and objects (sun, moon, stars) in the day and night sky.	Light: Observing the Sun, Moon, and Stars (1)
	SKE2.	Obtain, evaluate, and communicate information to describe the physical attributes of earth materials (soil, rocks, water, and air).	This standard is currently not supported.
Physical Science	SKP1.	Obtain, evaluate, and communicate information to describe objects in terms of the materials they are made of and their physical attributes.	Structure and Function: Exploring Design (K) Life Science: Living and Nonliving Things (PreK) Mater: Floating and Sinking (PreK)
	SKP2.	Obtain, evaluate, and communicate information to compare and describe different types of motion.	Pushes and Pulls (K)
Life Science	SKL1.	Obtain, evaluate, and communicate information about how organisms (alive and not alive) and non-living objects are grouped.	Living Things: Needs and Impacts (K) Life Science: Living and Nonliving Things (PreK)
	SKL2.	Obtain, evaluate, and communicate information to compare the similarities and differences in groups of organisms.	Living Things: Needs and Impacts (K) Designs Inspired by Nature (1)

First Grade

	Standard	Performance Expectation	PLTW Launch Modules
Earth and Space Science	S1E1.	Obtain, evaluate, and communicate weather data to identify weather patterns.	Sunlight and Weather (K)
Physical Science	S1P1.	Obtain, evaluate, and communicate information to investigate light and sound.	Light and Sound (1)
	S1P2.	Obtain, evaluate, and communicate information to demonstrate the effects of magnets on other magnets and other objects.	This standard is currently not supported.
Life Science	S1L1.	Obtain, evaluate, and communicate information about the basic needs of plants and animals.	Animal Adaptations (1) Living Things: Needs and Impacts (K)

Second Grade

	Standard	Performance Expectation	PLTW Launch Modules
Earth and Space Science	S2E1.	Obtain, evaluate, and communicate information about stars having different sizes and brightness.	This standard is currently not supported.
	S2E2.	Obtain, evaluate, and communicate information to develop an understanding of the patterns of the sun and the moon and the sun's effect on Earth.	Light: Observing the Sun, Moon, and Stars (1)
	S2E3.	Obtain, evaluate, and communicate information about how weather, plants, animals, and humans cause changes to the environment.	The Changing Earth (2) Environmental Changes (3)
Physical Science	S2P1.	Obtain, evaluate, and communicate information about the properties of matter and changes that occur in objects.	Materials Science: Properties of Matter (2)
	S2P2.	Obtain, evaluate, and communicate information to explain the effect of a force (a push or a pull) in the movement of an object (changes in speed and direction).	Stability and Motion: Science of Flight (3) Stability and Motion: Forces and Interactions (3)
Life Science	S2L1.	Obtain, evaluate, and communicate information about the life cycles of different living organisms.	Materials Science: Form and Function (2) Living Things: Diversity of Life (2) Life Cycles and Survival (3)

Third Grade

	Standard	Performance Expectation	PLTW Launch Modules
Earth and Space Science	S3E1.	Obtain, evaluate, and communicate information about the physical attributes of rocks and soils.	Earth: Past, Present, and Future (4)
	S3E2.	Obtain, evaluate, and communicate information on how fossils provide evidence of past organisms.	Environmental Changes (3)
Physical Science	S3P1.	Obtain, evaluate, and communicate information about the ways heat energy is transferred and measured.	Materials Science: Properties of Matter (2) Energy Exploration (4)
Life Science	S3L1.	Obtain, evaluate, and communicate information about the similarities and differences between plants, animals, and habitats found within geographic regions (Blue Ridge Mountains, Piedmont, Coastal Plains, Valley and Ridge, and Appalachian Plateau) of Georgia.	This standard is currently not supported.
	S3L2.	Obtain, evaluate, and communicate information about the effects of pollution (air, land, and water) and humans on the environment.	Earth: Human Impact and Natural Disasters (4)

Fourth Grade

	Standard	Performance Expectation	PLTW Launch Modules
Earth and Space Science	S4E1.	Obtain, evaluate, and communicate information to compare and contrast the physical attributes of stars and planets.	Patterns in the Universe (5)
	S4E2.	Obtain, evaluate, and communicate information to model the effects of the position and motion of the Earth and the moon in relation to the sun as observed from the Earth.	Patterns in the Universe (5)
	S4E3.	Obtain, evaluate, and communicate information to demonstrate the water cycle.	Earth's Water and Interconnected Systems (5)
	S4E4.	Obtain, evaluate, and communicate information to predict weather events and infer weather patterns using weather charts/maps and collected weather data.	Weather: Factors and Hazards (3)
Physical Science	S4P1.	Obtain, evaluate, and communicate information about the nature of light and how light interacts with objects.	Waves and the Properties of Light (4)
	S4P2.	Obtain, evaluate, and communicate information about how sound is produced and changed and how sound and/or light can be used to communicate.	Waves and the Properties of Light (4)
	S4P3.	Obtain, evaluate, and communicate information about the relationship between balanced and unbalanced forces.	Stability and Motion: Science of Flight (3) Stability and Motion: Forces and Interactions (3)
Life Science	S4L1.	Obtain, evaluate, and communicate information about the roles of organisms and the flow of energy within an ecosystem.	Ecosystem: Flow of Matter and Energy (5)

Fifth Grade

	Standard	Performance Expectation	PLTW Launch Modules
Earth and Space Science	S5E1.	Obtain, evaluate, and communicate information to identify surface features on the Earth caused by constructive and/or destructive processes.	Earth: Past, Present, and Future (4) Earth: Human Impact and Natural Disasters (4)
Physical Science	S5P1.	Obtain, evaluate, and communicate information to explain the differences between a physical change and a chemical change.	Matter: Properties and Reactions (5)
	S5P2.	Obtain, evaluate, and communicate information to investigate electricity.	This standard is currently not supported.
	S5P3.	Obtain, evaluate, and communicate information about magnetism and its relationship to electricity.	This standard is currently not supported.
Life Science	S5L1.	Obtain, evaluate, and communicate information to group organisms using scientific classification procedures.	Organisms: Structure and Function (4)
	S5L2.	Obtain, evaluate, and communicate information showing that some characteristics of organisms are inherited and other characteristics are acquired.	This standard is currently not supported.
	S5L3.	Obtain, evaluate, and communicate information to compare and contrast the parts of plant and animal cells.	This standard is currently not supported.
	S5L4.	Obtain, evaluate, and communicate information about how microorganisms benefit or harm larger organisms.	Infection: Detection (5)