



PLTW Launch Standards Guide

The Wyoming Academic Standards for Science



PLTW Launch (PreK-5) is designed to support your science 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 Guide shows how each PLTW Launch module supports The Wyoming Academic Standards for Science. 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.



Kindergarten	Structure and Function: Exploring Design K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Pushes and Pulls K-PS2-1 K-PS2-2 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Structure and Function: Human Body K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Animals and Algorithms K-ESS3-1 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Sunlight and Weather K-PS3-1 K-PS3-2 K-ESS2-1 K-ESS3-2 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Living Things: Needs and Impacts K-LS1-1 K-ESS2-2 K-ESS3-3 K-ESS3-1 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3		
1st Grade	Light and Sound 1-PS4-1 1-PS4-2 1-PS4-3 1-PS4-4 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Light: Observing the Sun, Moon, and Stars 1-ESS1-1 1-ESS1-2 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Animal Adaptations 1-LS1-1 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Animated Storytelling K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Designs Inspired by Nature 1-LS1-2 1-LS3-1 1-LS1-1 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3			
2nd Grade	Materials Science: Properties of Matter 2-PS1-1 2-PS1-2 2-PS1-3 2-PS1-4 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Materials Science: Form and Function 2-PS1-2 2-PS1-3 2-LS2-2 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Grids and Games K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	The Changing Earth 2-ESS1-1 2-ESS2-1 2-ESS2-2 2-ESS2-3 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	Living Things: Diversity of Life 2-LS2-1 2-LS4-1 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3			
3rd Grade	Stability and Motion: Science of Flight 3-PS2-1 3-PS2-2 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Stability and Motion: Forces and Interactions 3-PS2-1 3-PS2-2 3-PS2-3 3-PS2-4 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Variation of Traits 3-LS3-1 3-LS3-2 3-LS4-2 3-5-ETS1-1 3-5-ETS1-2	Programming Patterns 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Weather: Factors and Hazards 3-ESS2-1 3-ESS2-2 3-ESS3-1 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Life Cycles and Survival 3-LS1-1 3-LS2-1 3-5-ETS1-1 3-5-ETS1-2	Environmental Changes 3-LS4-1 3-LS4-3 3-LS4-4 3-5-ETS1-1 3-5-ETS1-2	
4th Grade	Input/Output: Computer Systems 4-PS4-3 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Input/Output: Human Brain 4-LS1-2 3-5-ETS1-1 3-5-ETS1-2	Waves and the Properties of Light 4-PS4-1 4-PS4-2 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Organisms: Structure and Function 4-LS1-1 4-LS1-2 3-5-ETS1-1 3-5-ETS1-2	Earth: Past, Present, and Future 4-ESS1-1 4-ESS2-1 4-ESS2-2 3-5-ETS1-1 3-5-ETS1-2	Earth: Human Impact and Natural Disasters 4-ESS3-1 4-ESS3-2 3-5-ETS1-1 3-5-ETS1-2	Energy Exploration 4-PS3-1 4-PS3-2 4-PS3-3 4-PS3-4 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	
5th Grade	Robotics and Automation 5-ESS3-1 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Robotics and Automation: Challenge 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Infection: Detection 3-5-ETS1-1 3-5-ETS1-2	Infection: Modeling and Simulation 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Matter: Properties and Reactions 5-PS1-1 5-PS1-2 5-PS1-3 5-PS1-4 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Ecosystems: Flow of Matter and Energy 5-PS3-1 5-LS1-1 5-LS2-1 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Patterns in the Universe 5-ESS1-1 5-ESS1-2 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3	Earth's Water and Interconnected Systems 5-PS2-1 5-ESS2-1 5-ESS2-2 5-ESS3-1 3-5-ETS1-1 3-5-ETS1-2 3-5-ETS1-3