2026-2027 Arbor Science Classes Decision Map

This map provides guidance on the scope of **Science** classes at The Arbor.
Depending on interest, students are invited to take as many courses in a single discipline; the current class will build upon the previous in more breadth/depth.
Not every class is offered every year, but we do our best to offer a rotation of classes each year so that there are options for those who take our science classes year after year.
Classes do not have to be taken in subsequent order; the previous class is not a prerequisite for the current class. See Required Prior Knowledge/Skills for each class' specific requirements.

	Early Elementary Grades 1-2 / 1-3 / 2-3 / 2-4	Upper Elementary Grades 3-5 / 4-6	Middle School Grades 5-7 / 6-8	Late Middle School/Early High School 7-9 / 7-10 / AAC
Physics	Forces of Motion (fall) Simple Machines (spring)	**Offering in 2026-2027!** Physics: How Things Work (fall) Physics: Light, Sound, Circuits & Magnets (spring)	**Offering in 2026-2027!** Physics: Energy, Forces, & Motion (fall) Physics: Light, Sound, Electricity, & Magnetism (spring)	
Chemistry	Solids, Liquids, and Gases (fall) Bubbles, Mixtures, and Solutions (spring)		**Offering in 2026-2027!** Introduction to Chemistry: The Periodic Table (fall) Introduction to Chemistry: Chemical Reactions (spring)	Chemistry A: The Elements (fall) Chemistry B: Chemical Reactions (spring) Food Science: Chemistry in the Kitchen (AAC) (fall & spring)
Earth Science	**Offering in 2026-2027!** Rocks & Minerals (fall) Solids, Liquids, & Gases (spring)	**Offering in 2026-2027!** Earth Science: How the Earth Works (fall) Earth Science: Sky and Space (spring)	**Offering in 2026-2027!** Geology: A Dynamic Earth (fall) Geology: A Dynamic Ocean (spring)	
		Ecology: Ecosystems & Cycles (fall) Wild about Weather (spring)	Ecology: The Biosphere (fall) Meteorology: Study of Weather (spring)	
Astronomy		**Offering in 2026-2027!** Space Explorers! (fall) Rocket Power (spring)	Astronomy: Observations & Calculations (fall) Rocket Forces & Flight (spring)	
Biology/ Life Science	**Offering in 2026-2027!** A Walk through Nature: Rocks, Seeds & Shells (fall) A Walk through Nature: A Variety of Life (spring)	**Offering in 2026-2027!** Outrageous Animal Adaptations (fall) Extreme Environments (spring)		**Offering in 2026-2027!** Biology A: Cells, Genetics, Organization of Life (fall) Biology B: Biodiversity, Ecology, and Human Impact (spring)
	A Walk Through Nature: Walk Like the Animals (fall) A Walk Through Nature:Talk Like the Animals (spring)	**Offering in 2026-2027!** Life Science A: The Living World (fall) Life Science B: Ecosystems (spring)	Marine Biology (fall) Zoology & Genetics (spring)	
	Dinosaurs & The World They Lived In (fall) Animals of the Ice Age & The World They Lived In (spring)	Invertebrate Zoo: Organisms Without a Backbone // All Creatures Tiny & Small: Bacteria, Algae & Fungi		

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Anatomy/ Physiology	**Offering in 2026-2027!** All About Me: Understanding Our Body Systems and How they Work (fall) All About Me: Staying Healthy by Learning What to Eat and How to Grow It (spring)	Discovering the Human Body // Discovering Health & Nutrition	**Offering in 2026-2027!** Health: Diseases & The Immune System (fall) Health: Mental Health, Diet & Nutrition, Exercise, Drug Education (spring)	Anatomy & Physiology (fall) Biochemistry of the Cell (spring)
Engineering	**Offering in 2026-2027!** Engineering: Cars, Cams, Towers, & Toys (fall) Engineering: Lights, Motors, Gears, & Gizmos (spring)	**Offering in 2026-2027!** Interactive Engineering: Design, Build, & Test (fall) Interactive Engineering: Imagine & Create (spring)	**Offering in 2026-2027!** Engineering Challenge: Mission Possible! (fall) Building Tomorrowland: Engineering a Sustainable City (spring)	
		Environmental Engineering (fall) Master Gardener: Environmental Horticulture (spring)		
Tech/ Robotics	**Offering in 2026-2027!** Beginning Robotics with SPIKE Essential (fall & spring)		**Offering in 2026-2027!** Robotics with SPIKE Prime (fall & spring)	Nanotechnology: Thinking Big by Thinking Small (fall) Nanotechnology: It's a Small World After All (spring)