Scope and Sequence for Science/ Grade 4
2026-2027

Unit Title	Duration	PA STEELS Standards
Unit Two: *Plant and Animal Structures*	8/24/2026 – 11/20/2026 **60 Instructional Periods**	**3.1.4.A** Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction. **3.1.4.B** Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways. **3.2.4.F** Develop a model to describe that light reflecting from objects and entering the eye allows objects to be seen.
Unit Two: *Energy Works*	11/23/2026 – 3/5/2027 **60 Instructional Periods**	**3.2.4.A** Use evidence to construct an explanation relating the speed of an object to the energy of that object**.** **3.2.4.B** Make and communicate observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents. **3.2.4.C** Ask questions and predict outcomes about the changes in energy that occur when objects collide. **3.2.4.D** Apply scientific ideas to design, test, and refine a device that converts energy from one form to another. **3.2.4.E** Develop a model of waves to describe patterns in terms of amplitude and wavelength and that waves can cause objects to move. **3.2.4.G** Generate and compare multiple solutions that use patterns to transfer information**.** **3.3.4.D** Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.
Unit Three: *Changing Earth*	3/8/2027 – 6/4/2027 **60 Instructional Periods**	**3.3.4.A** Identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in a landscape over time. **3.3.4.B** Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation. **3.3.4.C** Analyze and interpret data from maps to describe patterns of Earth's features**.** **3.3.4.E** Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans.

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