



**Community Consolidated
School District 46**

565 Frederick Road, Grayslake, IL 60030

23-24 Fourth Grade Science Priority Standards

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Trimester 1	Trimester 2	Trimester 3
Energy	Energy	Earth's Systems: Processes that Shape the Earth
4-PS3-1 Use evidence to construct an explanation relating the speed of an object to the energy of that object.	4-PS3-2 Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.	4-ESS1-1 Identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in a landscape over time.
4-PS3-2 Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.	4-PS3-4 Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.	4-ESS2-1 1 Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation.
4-PS3-3 Ask questions and predict outcomes about the changes in energy that occur when objects collide.	4-ESS3-1 Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.	4-ESS2-2 Analyze and interpret data from maps to describe patterns of Earth's features.
Engineering Design	Engineering Design	Engineering Design
3-5-ETS1-3 Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.	3-5-ETS1-1 Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.	3-5-ETS1-2 Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.
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