



# Science

## 4<sup>th</sup> Grade

- PS 1 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.
- PS 2 4-ESS2-1: Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation.
- PS 3 4-ESS2-2: Analyze and interpret data from maps to describe patterns of Earth's features.
- PS 4 4-ESS3-1: Obtain and combine information to describe that energy and fuels are derived from natural resources and that their uses affect the environment.
- PS 5 4-ESS3-2: Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans.
- PS 6 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.
- PS 7 3-5-ETS1-2: Generate and compare multiple possible solutions to a problem based on how well each is likely meet the criteria and constraints of the problem.
- PS 8 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.
- PS 9 4-PS4-2: Develop a model to describe that light reflecting from objects and entering the eye allows objects to be seen.
- PS10 4-PS3-2: Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electrical currents.
- PS11 4-LS1-1: Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
- PS12 4-LS1-2: 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.