

4th Grade Science I Can Statements

Physical Science

- **4-PS3-1-** I can prove that the faster something is moving, the more energy it has.
- **4-PS3-2-** I can explain how energy moves from place to place in different ways: sound, light, heat, and electricity.
- **4-PS3-3-** I can predict and then investigate what will happen when two objects hit each other.
- **4-PS3-4-** I can design, build, or improve a device that changes energy from one form to another.
- **4-PS4-1-** I can build a model of a wave that shows its height and width; I can prove that it makes things move.
- **4-PS4-2-** I can build a model showing how eyes can see things: light bounces off an object and enters the pupil of the eye.
- **4-PS4-3-** I can think up and compare several ways to send information using patterned “codes”.

Life Science

- **4-LS1-1-** I can make a convincing argument explaining how both inside parts and outside parts help plants and animals survive.
- **4-LS2-1-** I can build a model showing animals using their five senses to absorb information, think through it, and then act in the best way.

Earth and Space Science

- **4-ESS1-1-** I can compare the types of fossils in different layers of rock, and explain how the variation in species could mean landscape changed over time.
- **4-ESS2-1-** I can observe, measure, and analyze the erosion caused by water, ice, wind, and plants.
- **4-ESS2-2-** I can look at a map and figure out geological patterns.
- **4-ESS3-1-** I can research how all fuel energy is derived from natural sources; I can show the effects harvesting energy has on the environment.
- **4-ESS3-2-** I can come up with different ways to protect humans from natural events.

Engineering, Technology, & Application in Science

- **3-5-ETS1-1-** I can think up an engineering “problem” that needs to be fixed; I can list rules for possible solutions.
- **3-5-ETS1-2-** I can brainstorm solutions for an engineering problem; I can compare ideas to find which ones best fit the solution.
- **3-5-ETS1-3-** I can test different solutions for an engineering problem; I can tell you if an idea will work, fail, or just needs improvement.

