Grade 5 Science Checklist

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Related Schoolwide Learner Outcomes

Life Science: From Molecules to Organisms - Structures and Processes

- ☐ 5-LS1-1: I can talk about how plants get most of what they need to grow from air and water.

Life Science: Ecosystems - Interactions, Energy, and Dynamics

- ☐ 5-LS2-1: I can create a model that shows how matter moves among plants, animals, decomposers, and the environment.

Earth and Space Science: Earth's Place in the Universe

- ☐ 5-ESS1-1: I can talk about how the apparent brightness of the sun and stars is a result of their relative distances from Earth.
- ☐ 5-ESS1-2: I can use data to show patterns in daily changes of shadows, day and night, and stars in the night sky.

Earth and Space Science: Earth's Systems

- ☐ 5-ESS2-1: I can create a model that shows the relationships between the geosphere, biosphere, hydrosphere, and atmosphere.
- ☐ 5-ESS2-2: I can use data to find the amounts of water and fresh water in various reservoirs. I can use what I know about water in reservoirs as evidence for the distribution of water on Earth.

Earth and Space Science: Earth and Human Activity

- ☐ 5-ESS3-1: I can talk about ways that communities use science ideas to protect the Earth's resources and environment.

Physical Science: Matter and its Interactions

- ☐ 5-PS1-1: I can create a model that shows that matter is made of particles too small to be seen.

- ☐ 5-PS1-2: I can conduct experiments that show the weight of matter does not change as a result of heating, cooling, or mixing substances.
- ☐ 5-PS1-3: I can identify materials based on their properties.
- ☐ 5-PS1-4: I can conduct experiments to find out if mixing two or more substances makes new substances.

Physical Science: Motion and Stability - Forces and Interactions

- ☐ 5-PS2-1: I can give evidence that the gravitational force exerted by Earth on objects is directed down.

Physical Science: Energy

- ☐ 5-PS3-1: I can explain that energy in food was once energy from the sun.

Engineering Design

- ☐ 3-5-ETS1-1: I can find a design that needs to be fixed. I can define what a successful design would involve. I can plan the amount of materials, time, or money that it would take to complete the fix.
- ☐ 3-5-ETS1-2: I can evaluate possible solutions to a problem when presented with more than one solution. I can discuss which solution would work best and tell you why.
- ☐ 3-5-ETS1-3: I can test a model or prototype so that I can figure out what improvements are needed.