

# Grade 6

## Earth's Place in the Universe

- 1** Recognize that Earth moves around the sun and/or the moon moves around Earth (e.g., seasons, length of year, day/night) using a model. [SCI.AAS.6.1](#)

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- 3** Recognize the role of gravity on the movement of natural and humanmade objects in Earth's solar system. [SCI.AAS.6.3](#)

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- 4** Use a model to compare the relative sizes, and distances of objects in the solar system (e.g., sun, Earth, moon). [SCI.AAS.6.4](#)

## Earth's Systems: Materials and Processes

- 5** Recognize that changes in Earth's features are brought on by constructive and deconstructive processes including slow processes such as mountain building and fast processes such as volcanic eruptions. [SCI.AAS.6.5](#)

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- 5b** Identify how rocks are classified as metamorphic, igneous, or sedimentary based on their characteristics. [SCI.AAS.6.5B](#)

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- 6** Identify how tectonic plate movement changed Earth's surface over time (location of continents, formation of canyons, formation of mountains). [SCI.AAS.6.6](#)

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- 6c** Recognize that the distribution of specific fossils and rocks as well as the shapes of the continents, provide evidence of tectonic plate movement. [SCI.AAS.6.6C](#)

## Earth's Systems: Energy and Weather

- 8** Use a model to explain the water cycle, including evaporation, condensation, and precipitation, and how the sun provides the energy that drives the cycle. [SCI.AAS.6.8](#)

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- 9** Recognize weather trends and changes in weather patterns including severe weather (e.g., temperature, tornadoes, hurricanes, fronts, floods, and droughts). [SCI.AAS.6.9](#)

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- 9c** Identify appropriate action plans for various severe weather situations (e.g., storm shelter or safest area of a building, avoid flood areas). [SCI.AAS.6.9C](#)

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- 10b** Use a model to demonstrate how the tilt and curvature of the Earth cause unequal heating. [SCI.AAS.6.10B](#)

## Earth and Human Activity

- 11** Identify human activities (e.g., the use of fossil fuels) and natural processes (e.g., volcanic activity) that affect the Earth. [SCI.AAS.6.11](#)

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**11a** Explain how human behaviors impact the environment (e.g., recycling, conservation, pollution). *SCI.AAS.6.11A*