

# Grade 1

## Motion and Stability- Forces and Interactions

- 1 Understand how forces (pushes or pulls) affect the motion of an object.** PS.1.1
    - 1 Use models to explain the effect of a push or pull on the motion of an object, with or without contact. PS.1.1.1
    - 2 Carry out investigations to compare the effects of a given force on the motion of an object. PS.1.1.2
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## Ecosystems- Interactions, Energy, and Dynamics

- 1 Understand the basic needs of a variety of plants and animals in different ecosystems.** LS.1.1
    - 1 Obtain, evaluate and communicate information to summarize the needs of different plants and animals. LS.1.1.1
    - 2 Analyze and interpret data to compare how the needs of plants and animals can be met in different environments. LS.1.1.2
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## Earth's Place in the Universe

- 1 Recognize the features and patterns of the earth/moon/sun system as observed from Earth.** ESS.1.1
    - 1 Use models to recognize differences in the features of the day and night sky and apparent movement of objects across the sky as observed from Earth. ESS.1.1.1
    - 2 Analyze and interpret data to recognize patterns of observable changes in the moon's appearance from day to day. ESS.1.1.2
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## Earth's Systems

- 2 Understand the physical properties of Earth materials.** ESS.1.2
    - 1 Obtain, evaluate and communicate information to summarize the physical properties of Earth materials, including rocks, minerals, soils, and water. ESS.1.2.1
    - 2 Carry out investigations to compare the properties of different soil samples from local places relating their capacity to retain water, provide nutrients, and support the growth of plants. ESS.1.2.2
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## Earth and Human Activity

- 3 Understand that natural resources are important to humans.** ESS.1.3
  - 1 Obtain, evaluate and communicate information to summarize ways in which humans use natural resources. ESS.1.3.1
  - 2 Engage in argument from evidence to explain ways that humans can protect natural resources in the environment. ESS.1.3.2