

# Grade 4

Adopted 2018

## Physical Sciences

1. Develop and use a model to demonstrate how a system transfers energy from one object to another even when the objects are not touching. 4.P4U1.1
2. Develop and use a model that explains how energy is moved from place to place through electric currents. 4.P4U1.2
3. Develop and use a model to demonstrate magnetic forces. 4.P2U1.3
4. Engage in argument from evidence on the use and impact of renewable and nonrenewable resources to generate electricity. 4.P4U3.4

## Earth and Space Sciences

5. Use models to explain seismic waves and their effect on the Earth. 4.E1U1.5
6. Plan and carry out an investigation to explore and explain the interactions between Earth's major systems and the impact on Earth's surface materials and processes. 4.E1U1.6
7. Develop and/or revise a model using various rock types, fossil location, and landforms to show evidence that Earth's surface has changed over time. 4.E1U1.7
8. Collect, analyze, and interpret data to explain weather and climate patterns. 4.E1U1.8
9. Construct and support an evidence-based argument about the availability of water and its impact on life. 4.E1U3.9
10. Define problem(s) and design solution(s) to minimize the effects of natural hazards. 4.E1U2.10

## Life Sciences

11. Analyze and interpret environmental data to demonstrate that species either adapt and survive, or go extinct over time. 4.L4U1.11