Arizona Science

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