

7th Grade Science

Quarter 1 Standards

1. **7.L1U1.8** - I can obtain, evaluate, and communicate information to provide evidence that all living things are made of cells, cells come from existing cells, and cells are the basic structural and functional unit of all living things.
2. **7.L1U1.9** - I can construct an explanation to demonstrate the relationship between major cell structures and cell functions (plant and animal).
3. **7.L1U1.10** - I can develop and use a model to explain how cells, tissues, and organ systems maintain life (animals).
4. **7.L1U1.11** - I can construct an explanation for how organisms maintain internal stability and evaluate the effect of the external factors on organisms' internal stability.

Quarter 2 Standards

1. **7.L1U1.8** - I can obtain, evaluate, and communicate information to provide evidence that all living things are made of cells, cells come from existing cells, and cells are the basic structural and functional unit of all living things.
2. **7.L1U1.9** - I can construct an explanation to demonstrate the relationship between major cell structures and cell functions (plant and animal).
3. **7.L1U1.10** - I can develop and use a model to explain how cells, tissues, and organ systems maintain life (animals).
4. **7.L1U1.11** - I can construct an explanation for how organisms maintain internal stability and evaluate the effect of the external factors on organisms' internal stability.
5. **7.L2.U1.12** - I can construct an explanation for how some plant cells convert light energy into food energy.
6. **7.P2.U1.1** - I can collect and analyze data demonstrating how electromagnetic forces can be attractive or repulsive and can vary in strength.
7. **7.P2.U1.2** - I can develop and use a model to predict how forces act on objects at a distance.
8. **7.P3.U1.3** - I can plan and carry out an investigation that can support an evidence-based explanation of how objects on Earth are affected by gravitational force.
9. **7.P3.U1.4** - I can use non-algebraic mathematics and computational thinking to explain Newton's laws of motion.

Quarter 3 Standards

1. **7.E1.U1.5** - I can construct a model that shows the cycling of matter and flow of energy in the atmosphere, hydrosphere, and geosphere.
2. **7.E1.U1.6** - I can construct a model to explain how the distribution of fossils and rocks, continental shapes, and seafloor structures provides evidence of the past plate motions.
3. **7.E1.U2.7** - I can analyze and interpret data to construct an explanation for how advances in technology has improved weather prediction.
4. **7.P3.U1.3** - I can plan and carry out an investigation that can support an evidence-based explanation of how objects on Earth are affected by gravitational force.
5. **7.P3.U1.4** - I can use non-algebraic mathematics and computational thinking to explain Newton's laws of motion.

Quarter 4 Standards

1. **7.E1.U1.5** - I can construct a model that shows the cycling of matter and flow of energy in the atmosphere, hydrosphere, and geosphere.
2. **7.E1.U1.6** - I can construct a model to explain how the distribution of fossils and rocks, continental shapes, and seafloor structures provides evidence of the past plate motions.
3. **7.E1.U2.7** - I can analyze and interpret data to construct an explanation for how advances in technology has improved weather prediction.