

New York State Science Learning Standards The Little Star that Could

1st Grade

- **1-PS4-2.** Make observations (firsthand or from media) to construct an evidence-based account that objects can be seen only when illuminated.
- **1-ESS1-1.** Use observations of the Sun, moon, and stars to describe patterns that can be predicted.

Disciplinary Core Ideas:

- PS4.B: Electromagnetic Radiation
- ESS1.A: The Universe and its Stars
- ESS1.B: Earth and the Solar System

Crosscutting Concepts:

- Patterns
- Cause and Effect
- Scientific Knowledge Assumes an Order and Consistency in Natural Systems

2nd Grade

Disciplinary Core Ideas:

- PS1.A: Structure and Properties of Matter

Crosscutting Concepts:

- Patterns
- Cause and Effect
- Energy and Matter

3rd Grade

- **3-PS2-2.** Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.

Disciplinary Core Ideas:

- PS2.A: Forces and Motion

Crosscutting Concepts:

- Patterns
- Cause and Effect
- Scale, Proportion, and Quantity
- Systems and System Models
- Scientific Knowledge Assumes an Order and Consistency in Natural Systems



4th Grade

Disciplinary Core Ideas:

- PS3.A: Definitions of Energy
- PS4.B: Electromagnetic Radiation

Crosscutting Concepts:

- Patterns
- Cause and Effect
- Energy and Matter
- Systems and System Models
- Scale, Proportion, and Quantity
- Scientific Knowledge Assumes an Order and Consistency in Natural Systems

5th Grade

- **5-PS1-1.** Develop a model to describe that matter is made of particles too small to be seen.
- **5-ESS1-1.** Support and argument that the differences in the apparent brightness of the Sun compared to other stars is due to their relative distances from Earth.

Disciplinary Core Ideas:

- PS1.A: Structure and Properties of Matter
- ESS1.A: The Universe and its Stars
- ESS1.B: Earth and the Solar System

Crosscutting Concepts:

- Patterns
- Cause and Effect
- Scale, Proportion, and Quantity
- Systems and System Models
- Scientific Knowledge Assumes an Order and Consistency in Natural Systems