

Alabama
Middle School

Starry Night Lesson Plans
In order of relevance

Grade 5

Physical Science

Compare effects of gravitational force on Earth, on the moon, and within space.

A3 C2 G3

Identifying contributions of Newton to the study of gravity

C2

Earth and Space Science

Compare distances from the sun to planets in our solar system.

B1-B2

Relating the size of Earth to the size of other planets in our solar system

B1-B2 C1-C4

Identifying technology used to study planets

I1-I2

(Examples: Hubble telescope, space probes, Mars Exploration Rover)

Grade 6

Earth and Space Science

Describe how Earth's rotation, Earth's axial tilt, and distance from the equator cause variations in the heating and cooling of various locations on Earth.

A2 A1

Identify the moon's phases by:

A4

Describing lunar and solar eclipses

A5

Relating effects of the moon's positions on oceanic tides

A3 A4

Describe components of the universe and their relationships to each other, including stars, planets and their moons, solar systems, and galaxies by:

A1-A5 B1-B2 C1-C4 D1-D3 E1-E4
F1-F3 G1-G3 H1-H2 I1-I2

Identifying the impact of space exploration on innovations in technology (Examples: MRI, microwave, satellite imagery, GPS)

I1 I2

Mapping seasonal changes in locations of constellations in the night sky

E3 A2 E1 E4

Describing the life cycle of a star (H-R Diagram)

G2 F3 G3

Describe units used to measure distance in space, including astronomical units and light years.

B2 G1 G2