

**Connecticut**  
Middle School

**Starry Night Lesson Plans**  
*In order of relevance*

**Grade 5**

**Earth in the Solar System**

**5.3 Most objects in the solar system are in a regular and predictable motion.** A1-A5 B1-B2 C1-C4 D1-D3 E1-E4 F3

The positions of the Earth and moon relative to the sun explain the cycles of day and night, and the monthly moon phases.

A1 A4

**B 22** Explain the cause of day and night based on the rotation of Earth on its axis.

A1 E1

**B 21** Describe the monthly changes in the appearance of the moon, based on the moon's orbit around the Earth.

A4 A3 A5

**Grade 6**

**Energy in the Earth's Systems**

**6.3 Variation in the amount of the sun's energy hitting the Earth's surface affects daily and seasonal weather patterns.** A1 A2 F1

Local and regional weather are affected by the amount of solar energy these areas receive and by their proximity to a large body of water.

A2 F1 I1

**Grade 8**

**Earth in the Solar System**

**8.3 - The solar system is composed of planets and other objects that orbit the sun.** B1-B2 C1-C4 D1-D3 F1-F3 E1-E4 I2

Gravity is the force that governs the motions of objects in the solar system.

B1 C2 F3 I2

The motion of the Earth and moon relative to the sun causes daily, monthly and yearly cycles on Earth.

A1 A2 A4 E3 E4

**C28** Explain the effect of gravity on the orbital movement of planets in the solar system.

C2 F3

**C29** Explain how the regular motion and relative position of the sun, Earth, and moon affect the seasons, phases of the moon and eclipses.

A2 A4 A5 E3