

Ontario
Middle School

Starry Night Lesson Plans

In order of relevance

Grade 6

Describe the physical characteristics of components of the solar system – the sun, planets, natural satellites, comets, asteroids, and meteoroids (e.g., relative size, surface temperature).

B1-B2 C1-C4 D1-D3 I2

Identify the bodies in space that emit light (stars) and those that reflect light (e.g., moons, planets).

F1 G1-G3 A3-A5 C1 C3

Describe, using models or simulations, the features of the moon’s surface (e.g., craters, maria, rills).

A3

Identify cycles in nature (e.g., cycle of day and night, cycle of seasons) and describe the changes within the cycles (e.g., observe the phases of the moon over several months to determine the pattern of change, and record these observations).

A1-A5 E1-E4

Describe, using models or simulations, how the earth’s rotation causes the cycle of day and night, and how the earth’s revolution causes the cycle of the seasons.

A1 A2

Recognize major constellations visible at night and describe the origins of their names (e.g., Orion, Leo).

E1-E4

Describe, using models or simulations, the effects of the relative motion and positions of the earth, moon, and sun (e.g., solar and lunar eclipses, tides, phases of the moon).

A1-A5