

## U.S. Curriculum Correlations by State

### Illinois

#### Grades 4, 5

12.F.2a Identify and explain natural cycles and patterns in the Solar System (e.g., order of the planets; Moon phases; seasons as related to Earth's tilt, one's latitude, and where Earth is in its yearly orbit around the Sun).

#### Starry Night Lesson Plans

*In order of relevance*

A1-A5    B1-B2    C1-C3    D1-D3

12.F.2b Explain the apparent motion of the Sun and stars.

A1   A2   E1   E2   E3

12.F.2c Identify easily recognizable star patterns (e.g., the Big Dipper, constellations).

E1   E2   E3

#### Grades 6, 7

12.F.3a Stimulate, analyze and explain the effects of gravitational force in the Solar System (e.g., orbital shape and speed, tides, spherical shape of the planets and moons).

B1   B2   A3   F3   C1   C2   C3

12.F.3b Describe the organization and physical characteristics of the Solar System (e.g., Sun, planets, satellites, asteroids, comets).

B1   B2   C1   C2   C3   D1   D2   D3

12.F.3c Compare and contrast the Sun as a star with other objects in the Milky Way Galaxy (e.g., nebulae, dust clouds, stars, black holes).

F1   F2   F3   G1   G2   G3