

## U.S. Curriculum Correlations by State

### South Dakota

#### Earth/Space Science 2006

##### Grade 6

**Indicator 2: Analyze essential principles and ideas about the composition and structure of the Universe.**

**6.E.2.1 Students are able to identify the organization and relative scale of the Solar System.**

Sun, Moon, Earth, other planets and their moons, meteors, asteroids, and comets.

Origins and age of the Universe.

Explain the association of the time measurement with celestial motions.

##### Grade 8

**Indicator 2: Analyze essential principles and ideas about the composition and structure of the Universe.**

**8.E.2.1 Students are able to compare celestial bodies within the Solar System using composition, size, and orbital motion.**

Describe the composition of the Sun, the planets, asteroids, and comets.

Use spectroscopic analysis of celestial bodies.

Measurement in space.

Constellations

Galaxies

Life Cycle of a Star

HR Diagram

Law of Gravitation

Big Bang Theory

**8.E.2.2 Students are able to differentiate the influences of the relative positions of the Earth, Moon, and Sun.**

Lunar and solar eclipses, Moon phases, tides, seasons.

#### Starry Night Lesson Plans

*In order of relevance*

A1-A5 B1-B2 C1-C3 D1-D3  
E1-E3 F1-F3 G1-G4 H1

G1 G2 G3 G4 H1

A1 A2 A3 A4 E1 E2 E3

B1-B2 C1-C3 D1-D3 F1-F3

G2

B2 G1 G2 G3 G4 E1 H1

E1 E2 E3

G3 G4

G2 F3

G2

C3

G4

A1 A2 A3 A4 A5