

## U.S. Curriculum Correlations by State

### Missouri

**Strand 6: Composition and structure of the Universe and the motion of the objects within it.**

#### Grade 5

##### 1. The Universe has observable properties and structure.

A. The Earth, Sun, and Moon are part of a larger system that includes other planets and smaller celestial bodies.

B1 B2 C1 C2 A2 D1 D2 D3

B. The Earth has a composition and location suitable to sustain life.

C1 C2 C3

##### 2. Regular and predictable motions of objects in the Universe can be described and explained as the result of gravitational forces.

B. The apparent position of the Moon, as seen from Earth, and its actual position relative to Earth change in observable patterns.

A3 A4

C. The regular and predictable motions of the Earth and Moon relative to the Sun explain natural phenomena on Earth, such as day, month, year, shadows, Moon phases, eclipses, tides, and seasons.

A1 A2 A3 A4 A5 E1 E2 E3

#### Grade 7

##### 1. The Universe has observable properties and structure.

A. The Earth, Sun, and Moon are part of a larger system that includes other planets and smaller celestial bodies.

B1 B2 C1 C2 C3 D1 D2 D3

B. The Earth has a composition and location suitable to sustain life.

B2 C1 F1 F2

C. Most of the information we know about the Universe comes from the electromagnetic spectrum.

G1 G2 B2

##### 2. Regular and predictable motions of objects in the Universe can be described and explained as the result of gravitational forces.

A. The apparent position of the Sun and other stars, as seen from Earth, change in observable patterns.

A1 A2 E1 E2 E3

B. The apparent position of the Moon, as seen from Earth, and its actual position relative to Earth change in observable patterns.

A3 A4 A5

C. The regular and predictable motions of a planet and Moon relative to the Sun explain natural phenomena on a planet, such as day, month, year, shadows, Moon phases, eclipses, tides, and seasons.

A1 A2 A3 A4 A5 B1

D. Gravity is a force of attraction between objects in the Solar System that governs their motion.

C2 F3

### Starry Night Lesson Plans

*In order of relevance*