

U. S. Curriculum Correlations by State

Kansas

Grades 8, 9, 10, 11, 12

Standard 4: Earth and Space Science

Benchmark 1: The student develop an understanding of the sources of energy that power the subsystems and cycles of the dynamic Earth: the geosphere, hydrosphere, atmosphere and biosphere. The student:

1. Understands that the ultimate source of atmospheric and oceanic energy comes from the Sun. Energy flow determines global climate and weather which is influenced by geographic features, cloud cover, and the Earth's rotation.

Benchmark 3: The student develop an understanding of dynamics of our Solar System. The student:

1. Understands gravitational attraction of objects in the Solar System keeps Solar System objects in orbit.
2. Understands the relationship between the Earth, Moon, and Sun explains the seasons, tides and Moon phases.
3. Understands the relative sizes and distances of objects in the Solar System.
4. Understand the Sun, Earth, and other objects in the Solar System formed from a nebular cloud of dust and gas.

Benchmark 4: The student will develop an understanding of the organization of the Universe and its development. The student:

1. Understands stellar evolution.
2. Understands the current scientific explanation of the origin and structure of the Universe.
3. Understands how the tools of astronomy have revolutionized the study of the Universe.

Starry Night Lesson Plans

In order of relevance

F1

C2 F3 B1

A2 A3 A4 A5 E3

B1 B2 C1 C2 C3 D1 D2 D3

F3

G2 F3

H1 H2 H3

I1 I2