

U. S. Curriculum Correlations by State

Colorado

Grades 9, 10, 11, 12

Earth & Space Science Content Standard 4:

Earth and Space Science: Students will know and understand the processes and interactions of Earth's Systems and the structure and dynamics of Earth and other objects in space.

4.4 Students know the structure of the Solar System, composition and interactions of objects in the Universe, and how space is explored.

1. Explain the causes of, and model the varied lengths of days, seasons, and phases of the Moon.	A2 A4 A3 A5
2. Describe the effect of gravitation on the motions observed in the Solar System and beyond.	C2 F3 B1 H1
3. Describe electromagnetic radiation produced by the Sun and other stars (for example, X-ray, ultraviolet, visible light, infrared, radio).	F1 F2 H1
4. Compare the Sun with other stars (for example, size, color temperature).	G2 F1 G1
5. Identify and describe the everyday impact of recent space technology (for example, more sophisticated computers, remote sensing, medical imaging).	I1 I2 F2

For students continuing science education beyond the standards:

1. Identify and predict natural hazards, using historical data.	D3 F2
2. Describe the life cycle of a star.	G2 F3
3. Describe evidence that supports past and current scientific theories of the origin of the Universe.	H3 H2 H1

Starry Night Lesson Plans

In order of relevance