

U. S. Curriculum Correlations by State

New Mexico

Grades 9, 10, 11, 12

Strand II: Content of Science

Standard III (Earth and Space Science): Understand the structure of the Earth, the Solar System, and the Universe, the interconnections among them, and the processes and interactions of Earth's systems.

Examine the scientific theories of origin, structure, contents, and evolution of the Solar System and the Universe, and their interconnections.

1. Predict changes in the positions and appearance of objects in the sky (e.g., Moon, Sun) based on knowledge of current positions and patterns of movements (e.g., lunar cycles, seasons)

2. Understand how knowledge about the Universe comes from evidence collected from advanced technology (e.g., telescopes, satellites, images, computer models).

3. Describe how stars are powered by nuclear fusion, how luminosity and temperature indicate their age, and how stellar processes create heavier and stable elements that are found throughout the Universe.

4. Examine the role that New Mexico research facilities play in current space exploration (e.g., Very Large Array, Goddard Space Center).

Starry Night Lesson Plans

In order of relevance

A1 A2 A4 A5 C2 D1 D2 E3

I1 I2

G2 F1 F3

New Mexico Edition Section 1, Page 10