

## U.S. Curriculum Correlations by State

### Pennsylvania

Physical Science, Chemistry and Physics  
(D. Astronomy)

#### 3.4.7 Grade 7

**D. Describe essential ideas about the composition and structure of the Universe and the Earth's place in it.**

1. Compare various planets characteristics.

B1 B2 C1 C2 C3

2. Describe basic star types and identify the Sun as a star type.

G2 F1 F2 F3

3. Describe and differentiate comets, asteroids, and meteors.

D1 D2 D3

4. Identify gravity as a force that keeps planets in orbit around the Sun and governs the rest of the movement of the Solar System and Universe.

C2 F3 G3 G4

5. Illustrate how the positions of stars and constellations change in relation to the Earth during and evening from month to month.

E1 E2 E3

6. Identify equipment and instruments that explore the Universe.

H1 SkyGuide

7. Identify the accomplishments and contributions provided by selected past and present scientists in the field of astronomy.

C2

8. Identify and articulate space program efforts to investigate possibilities of living in space on other planets.

H1 C1 F2

#### Starry Night Lesson Plans

*In order of relevance*