

**Tennessee**  
Middle School

**Starry Night Lesson Plans**  
*In order of relevance*

**Grades 6-8**  
**EARTH AND SPACE SCIENCE**

**Content Standard: 7.0 Earth and Its Place in the Universe**

The student will investigate the structure of the universe.

All Starry Night Lesson Plans

**Learning Expectations:**

7.1 Recognize the basic components of the universe.	E1-E4	F1-F3	B1-B2	G1-G3	H1-H2
7.2 Investigate the relative distances of objects in space.	B2	G1-G3	H1-H2	I2	
7.3 Explore the positional relationships among the earth, moon, and sun.	A1-A5				
7.4 Understand that gravity is the force that keeps planets in orbit around the sun and governs movement in the solar system.	C2	C1-C4	D1-D3	F3	I2
7.5 Explore the role of technology and careers associated with the study of space.	I1-I2				

**Performance Indicator Level 1**

6.7.spi.1 distinguish between a day, month, and year on earth based on the movements of the earth, sun, and moon.	A1-A5	E1-E4			
6.7.spi.2 identify the force that pulls objects toward the earth.	C2				
6.7.spi.3 differentiate between planets according to specific characteristics.	B1-B2	C1-C4	D1-D3	I2	

**Performance Indicator Level 2**

6.7.spi.4 categorize the components of the universe (i.e. stars, planets, comets, asteroids, meteors).	E1-E4	F1	B1-B2	G1-G3	H1-H2
6.7.spi.5 differentiate between a solar and a lunar eclipse.	A5				
6.7.spi.6 select the diagram that reflects the earth/sun relationship that accounts for the four seasons.	A2				

**Performance Indicator Level 3**

6.7.spi.7 predict the type of tide produced by the different positions of the earth and moon system.	A3	A4			
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