

West Virginia
High School

Starry Night Lesson Plans
In order of relevance

Grade 9

10. Origin and Changes in the Earth Systems and Universe	All Starry Night lesson plans				
g. Research and describe the life cycles of various stellar types (SC.9.4.38)	G1-G3	F3			
h. Interpret topographic maps, weather maps and charts and astronomical models (SC.9.4.39)	E1-E4	All Starry Night lesson plans			

Grade 10

10. Origin and Evolution in the Earth Systems and Universe	B1-B2	C1-C4	D1-D3	F1-F3	I2
Compare and contrast the characteristics of Earth and the other planets relative to their distance from the Sun (SC.10.4.39)	B1-B2	C1-C4	D1-D3	F1-F3	I2
Interpret apparent motion of constellations and their relationship to the rotation of the earth. (SC.10.4.40)	E1-E4	A1	A2		

ADVANCED ENVIRONMENTAL EARTH SCIENCE

6. Astronomy	A1-A5	B1-B2	C1-C4	D1-D3	E1-E4
	F1-F3	G1-G3	H1-H3	I1-I3	
a. Research theories concerning origins of the universe (AES.4.22)	H1-H3	I3			
b. Apply Newton's Law of Universal Gravitation to the motion of celestial objects (AES.4.23)	C2	D3	I2		
c. Investigate the solar system (AES.4.24)	A1-A5	B1-B2	C1-C4	D1-D3	I2
Origin theories	F3				
Comparing and contrasting the planets	C1	I2			
Planetary motions	C2				
Other celestial bodies	C3	C4	D1-D3		
d. Investigate stars and their evolution (AES.4.25)	F3	G2	G3		
e. Explain the relationships between location, navigation and time (AES.4.26)	E1-E4	A1-A5			
f. Compare ancient and modern methods and tools used to study astronomy (AES.4.27)	E1-E4	F1-F3	G1-G3	H1-H3	I1-I3
g. Investigate the electromagnetic spectrum as related to observable phenomena in the universe (AES.4.28)	I3	H1-H3	G3	F2	