

Washington
High School

Starry Night Lesson Plans
In order of relevance

Grades 9-10

Earth and Space Systems

Components of the Solar System and Beyond (Universe)	All Starry Night lesson plans			
1.2.5 Understand that the Solar System is in a galaxy in a universe composed of an immense number of stars and other celestial bodies. W	H1-H3 E1-E4	C1-C4 G1-G3	D1-D3 I1-I3	F1-F3
§ (10) Describe how the Solar System is part of the Milky Way Galaxy.	G1-G2	H1		
§ (10) Compare how stars and other celestial bodies (at least 100 billion) are similar and different from each other (i.e., size, composition, distance from the Earth, temperature, age, source of light, and movement in space).	G1-G3	H1-H3	I1-I3	
§ (10) Describe how other galaxies and other celestial bodies appear from Earth.	H1-H3 E1-E4	C1-C4 G1-G3	D1-D3 I1-I3	F1-F3

Interactions in the Solar System and Beyond (Universe)	All Starry Night lesson plans			
1.3.7 Understand how stars, solar systems, galaxies, and the universe were formed and how these systems continue to evolve. W	F3 C2	G1-G2 D1-D3	H1-H3 E1-E3	A1-A5 I1-I3
§ (10) Explain phenomena caused by the regular and predictable motions of planets and moons in the Solar System.	A1-A5	C2	D1-D3	E1-E4
§ (10) Describe how the Solar System formed.	F3			
§ (10) Describe that the Solar System is part of the Milky Way Galaxy and how the Milky Way and other galaxies appear from Earth.	G1-G3	H1-H3	I1-I3	
§ (10) Describe the formation and life cycle of stars.	G2	F3	G3	
§ (10) Describe the properties of different stars (e.g., size, temperature, age, formation, energy production).	G2	G3	F1-F3	
§ (10) Describe how the Big Bang theory explains the observed properties of the universe (e.g., expansion, evolution, structures, element generation by fusion).	H1-H3	I1-I3		