U. S. Curriculum Correlations by State

Virginia

EARTH SCIENCE

	Starry Night Lesson Plans *In order of relevance*
STANDARD ES.3: The student will investigate and understand how to read and interpret maps, globes, models, charts, and imagery. Key concepts include:	
a) Maps (bathymetric, geologic, topographic, and weather) and star charts	E1 E3 G1
b) Imagery (aerial photography and satellite images)	F2
c) Direction and measurements of distance on any map or globe	E1 G1
d) Location by latitude and longitude and topographic profiles	E1
STANDARD ES.4: The student will investigate and understand the characteristics of the Earth and the Solar System. Key concepts include:	
a) Position of the Earth in the Solar System	B1 B2 C1 F3
b) Sun-Earth-Moon relationships (seasons, tides, and eclipses)	A1 A2 A3 A4 A5
c) Characteristics of the Sun, planets and their moons, comets, meteors, and asteroids	F1 F2 F3 C1 C2 C3 D1 D2 D3
d) The history and contributions of the space program	I1 I2
STANDARD ES.14: The student will investigate and understand scientific concepts related to the origin and evolution of the Universe. Key concepts include:	
a) Nebulae	F3 G2 H1 H2
b) The origin of stars and star systems	F3 G2 G1 H1
c) Stellar evolution	G2
d) Galaxies	H1 H2
e) Cosmology including the Big Bang Theory	H2 H3