Rhode Island Middle School	Starry Night Lesson Plans In order of relevance			
EARTH AND SPACE SCIENCE				
Grades 5-8				
ESS2 - The earth is part of a solar system, made up of distinct parts that have temporal and spatial interrelationships.	All Starry Night lesson plans			
ESS2 (5-8) MAS -6				
Compare and contrast planets based on data provided about size, composition, location, orbital movement, atmosphere, or surface features (includes moons).	C1-C4	B1-B2	12	
ESS2 (5-6)-6 Students demonstrate an understanding of characteristics of the solar system by	C1-C4	D1-D3	11-12	F1-F3
6a identifying and comparing the size, location, distances, and movement (e.g. orbit of planets, path of meteors) of the objects in our solar system.	C1-C4	D1-D3		
6b comparing the composition, atmosphere, and surface features of objects in our solar system.	C1-C4	12		
ESS2 (5-8) NOS –7 Explain how technological advances have allowed scientists to re-evaluate or extend existing ideas about the solar system.	11-12	C1-C4	F2	
ESS2 (7-8) -7 Students demonstrate an understanding of how technological advances have allowed scientists to reevaluate or extend existing ideas about the solar system	C1-C4	E1-E4	11-12	F2
7a identifying major discoveries from different scientists and cultures and describing how these discoveries have contributed to our understanding of the solar system (e.g. timeline, research project, picture book).	C1-C4	E1-E4	I1-I2	F2
ESS2 (5-8) SAE+ POC -8				
Explain temporal or positional relationships between or among the Earth, sun, and moon (e.g., night/day, seasons, year, tides) or how gravitational force affects objects in the solar system (e.g., moons, tides, orbits, satellites).	A1-A5	C1-C4	D1-D3	12
ESS2 (5-6)-8 Students demonstrate an understanding of temporal or positional relationships between or among the Earth, sun, and moon by	A1-A5			
8a using models to describe the relative motion/position of the Earth, sun and moon.	A1-A5			
8b explaining night/day, seasons, year, and tides as a result of the regular and predictable motion of the Earth, sun, and moon.	A1-A5	E3	E4	
8c using a model of the Earth, sun and moon to recreate the phases of the moon.	A4			
ESS2 (5-6) -8 Students demonstrate an understanding of gravitational relationships between or among objects of the solar system by	C2	I2		
8d defining the Earth's gravity as a force that pulls any object on or near the Earth toward its center without touching it.	C2	12		

Rhode Island	Starry Night Lesson Plans In order of relevance			
Middle School (cont'd)				
EARTH AND SPACE SCIENCE				
Grades 5-8				
ESS2 - The earth is part of a solar system, made up of distinct parts that have temporal and spatial interrelationships.	All Starry Night lesson plans			
ESS2 (5-8) SAE+ POC -8				
ESS2 (7-8) -8 Students demonstrate an understanding of temporal or positional relationships between or among the Earth, sun, and moon by	A1-A5			
8a using or creating a model of the Earth, sun and moon system to show rotation and	A1	A2	A3	
8b explaining night/day, seasons, year, and tides as a result of the regular and predictable motion of the Earth, sun, and moon.	A1-A5			
8c using a model of the Earth, sun and moon to recreate the phases of the moon.	A1-A5			
ESS2 (7-8) -8 Students demonstrate an understanding of gravitational relationships between or among objects of the solar system by	C2	F3	B1-B2	12
8d describing the relationship between mass and the gravitational force between objects.	C2			
8e describing the relationship between distance and the gravitational force between objects.	C2	F3	B1-B2	12
8f explaining that the sun's gravitational pull holds the Earth and other planets in their orbits, just as the planet's gravitational pull keeps their moons in orbit.	C2			
ESS3 - The origin and evolution of galaxies and the universe demonstrate fundamental principles of physical science across vast distances and time	E1-E4	F1-F3	G1-G3	H1-H2
ESS3 (5-6)-9 Students demonstrate an understanding of the structure of the universe by	E1-E4	F1-F3	G1-G3	H1-H2
9a describing the apparent motion/position of the objects in the sky. (e.g. constellations,	E1-E4			
9b identifying the sun as a medium-sized star located near the edge of a disk-shaped galaxy of stars.	F1-F3	G1-G3	H1-H2	
ESS3 (7-8)-9 Students demonstrate an understanding of the structure of the universe	H1-H2			
9a describing the universe as containing many billions of galaxies, and each galaxy contains many billions of stars.	H1-H2			