Alberta High School	Starry Night Lesson Plans In order of relevance						
GRADE 9 UNIT E: SPACE EXPLORATION							
Investigate and describe ways that human understanding of Earth and space has depended on technological development	B1-B2	C1-C4	D1-D3	F1-F3	G1-G3	H1-H3	11-13
 Identify different perspectives on the nature of Earth and space, based on culture and science 	E1-E4						
 Investigate and illustrate the contributions of technological advances—including optical telescopes, spectral analysis and space travel—to a scientific understanding of space 	F1-F3	G1-G3	H1-H3	11-13			
 Describe, in general terms, the distribution of matter in space (e.g., stars, star systems, galaxies, nebulae) 	G1-G3	H1-H3					
 Identify evidence for, and describe characteristics of, bodies that make up the solar system; and compare their characteristics with those of Earth 	B1-B2	C1-C4	D1-D3	F1-F3	12		
 Describe and apply techniques for determining the position and motion of objects in space 	E1-E4	G1-G3	11-13	H1-H3			
 Investigate predictions about the motion, alignment and collision of bodies in space; and critically examine the evidence on which they are based (eclipses;meteor showers) 	A5	B2	C2	D1-D3			
2. Identify problems in developing technologies for space exploration, describe technologies developed for life in space, and explain the scientific principles involved	11-13	F1	F2				
3. Describe and interpret the science of optical and radio telescopes, space probes and remote sensing technologies	11-13	F1-F3	G1-G3	H1-H3			
 Identify issues and opportunities arising from the application of space technology, identify alternatives involved, and analyze implications 	11-13	F2	D1-D3				