Canadian Provincial Correlated Learning Outcomes

Manitoba

Grade 6
The Solar System

	Starry Night Lesson Plans *In order of relevance*
1. Use appropriate vocabulary related to their investigations of Earth and space.	All Starry Night Lesson Plans.
2. Identify technological developments that enable astronauts to meet their basic needs in space.	H1
3. Describe positive and negative impacts arising from space research programs.	H1 F1 F2 G1 G2 G3 G4
4. Identify technological devices placed in space that help humans learn more about the Earth and communicate more efficiently.	H1
5. Describe how the conception of the earth and its position in space have been continuously questioned and how our understanding has evolved over time.	B1 B2 C1 C2 C3
6. Recognize that the Sun is the center of the Solar System and it is the source of energy for life on Earth.	F1 F2 F3 B1
7. Identify the planets in the Solar System and describe their size relative to the Earth and their position relative to the Sun.	C1 B1 B2
8. Classify planets as inner or outer planets, based on their position relative to the asteroid belt, and describe characteristics of each type.	C1 C2 C3
9. Recognize that mass is the mount of matter in an object, that weight is the force of gravity on the mass of an object, and that the force of gravity varies from planet to planet.	C2
10. Explain, using models and simulations, how the Earth's rotation causes the cycle of day and night, and how the Earth's tilt of axis and revolution cause the yearly cycle of seasons.	A1 A2 E3
11. Use the design process to construct a prototype that tells the time of day or measures a time span.	A1 A2 E1 E2 E3
12. Explain how the relative positions of the Earth, Moon, and Sun are responsible for Moon phases and eclipses.	A3 A5
13. Identify points of reference in the night sky and recognize that the apparent movement of celestial objects is regular, predictable, and related to the Earth's rotation and revolution.	A1-A5 E1-E3 C2 D1-D3
14. Identify and describe how people from various cultures, past and present, apply astronomy in daily life.	E1 E2 E3