

Canadian Provincial Correlated Learning Outcomes

Saskatchewan

Grade 6 Exploring Space

1. Discuss the role of satellites and space probes in describing and monitoring the Earth and other planets.

Starry Night Lesson Plans

In order of relevance

F1 F2 C1 C3 H1

2. Predict the future impact of space exploration.

H1

3. Appreciate the value and limitations of technology within society.

F2 H1

Grade 8 The Earth and Space

1. Understand the movements of the planets and other bodies in the Solar System.

a. Describe how the rotation of the Earth produces day and night.

A1

b. Account for the differences in day length in midsummer and in midwinter.

A2

c. Explain why the Sun has a stronger heating effect in summer than in winter in the Northern Hemisphere.

A2

d. Compare the speed and the length of path of the orbits of the planets.

B1 B2 C2 D1 D2 D3

e. Explain the retrograde motion of the planets in the sky.

C2

f. Identify by sight the planets Venus, Jupiter, and Mars.

C1

2. Recognize the conditions which govern life in space.

a. Study the physiological and psychological experiences of astronauts and cosmonauts in the Skylab and space programs.

H1 F1 F2

c. Consider the distances and times involved in interplanetary and interstellar space travel.

B2 G1 G2 G3 G4

Canadian Provincial Correlated Learning Outcomes

Saskatchewan Continued

3. Reflect on the matter of interstellar travel.

- a. Determine how distances to stars are estimated.

- b. Examine the distribution of stars in the sky.

- c. Identify various types of objects and groupings of objects in interstellar space.

4. Provide for students' active involvement in decision-making about space exploration.

- a. Generate alternatives to technological innovation in the study of space.

- b. Participate in debate about the support of space exploration.

Starry Night Lesson Plans

In order of relevance

G1

G2 E1 E2 E3

G3 G4

B1-B2 C1-C3 D1-D3 F1-F3 G1-G4 H1

B1-B2 C1-C3 D1-D3 F1-F3 G1-G4 H1