

Alberta
Elementary School

Starry Night Lesson Plans
Grades K-2 Grades 3-4

Grade 1

Unit B: Seasonal Changes

1–6 Describe seasonal changes, and interpret the effects of seasonal changes on living things.

1. Describe the regular and predictable cycle of seasonal changes.

2. Identify and describe examples of plant and animal changes that occur on a seasonal basis:

3. Identify human preparations for seasonal change and identify activities that are done on a seasonal basis.

4. Record observable seasonal changes over a period of time.

1, 3

2, 3

1, 3

2, 3

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2, 3

Grade 4

Unit D: Light and Shadows

4–9 Identify sources of light, describe the interaction of light with different materials, and infer the pathway of a light beam.

1. Recognize that eyes can be damaged by bright lights and that one should not look at the Sun—either directly or with binoculars or telescopes.

2. Identify a wide range of sources of light, including the Sun, various forms of electric lights, flames, and materials that glow (luminescent materials).

3. Distinguish objects that emit their own light from those that require an external source of light in order to be seen.

4. Demonstrate that light travels outward from a source and continues unless blocked by an opaque material.

5. Describe changes in the size and location of Sun shadows during the day—early morning, to midday, to late afternoon.

6. Recognize that opaque materials cast shadows, and predict changes in the size and location of shadows resulting from the movement of a light source or from the movement of a shade-casting object.

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