

Lesson Summary:

Students use literature and art to describe four aurora shapes as they occur throughout the night. They also prepare individual illustrated books containing art and written descriptions of each aurora shape. Through partner reading, students communicate ideas and reinforce essential science vocabulary and ideas about aurora shapes.

Objectives:

The student will:

- study the four aurora shapes through literature and art;
- examine the order in which aurora shapes occur throughout the night;
- create aurora shape art;
- write a summary of aurora shapes using descriptive words;
- create a booklet containing art and written descriptions for each aurora shape; and
- share their work and ideas with peers to reinforce essential science vocabulary and ideas about aurora shapes.

GLEs Addressed:

Science

- [5-8] SA1.1 The student demonstrates an understanding of the processes of science by asking questions, predicting, observing, describing, measuring, classifying, making generalizations, inferring, and communicating.
- [9] SD3.2 The student demonstrates an understanding of cycles influenced by energy from the sun and by Earth's position and motion in our solar system by explaining the phenomena of the aurora.

Writing

- [5] 2.2.2 The student writes for a variety of purposes and audiences by writing in a variety of nonfiction forms using appropriate information and structure (i.e., step-by-step directions, descriptions, observations, or report writing).
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- [7] 3.2.2 The student writes for a variety of purposes and audiences by writing in a variety of nonfiction forms (e.g., letter, report, biography, and/or autobiography) to inform or describe.
- [8] 3.2.2 The student writes for a variety of purposes and audiences by writing in a variety of nonfiction forms (e.g., letter, report, biography, and/or autobiography) to inform, describe, or persuade.

Search Terms:

- literature
- art
- aurora shapes
- illustration
- vocabulary
- ordering
- describing
- quiet arcs
- rayed bands
- patches
- long aurora rays
- aurora
- Northern Lights