

# CROWNS OF LIGHT VOCABULARY

## Lesson Summary:

Students review vocabulary associated with Unit 5: Crowns of Light.

## Objectives:

The student will match the following terms to their definition: aurora oval, latitude, open magnetic field lines, closed magnetic field lines, equator, all-sky camera, satellite image, rotation axis, and Elias Loomis.

## GLEs Addressed:

### Science

- [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.
- [5] SE2.1 The student demonstrates an understanding that solving problems involves different ways of thinking, perspectives, and curiosity by investigating a problem or project over a specified period of time and identifying the tools and processes used in that project.
- [5] SG4.1 The student demonstrates an understanding that advancements in science depend on curiosity, creativity, imagination, and a broad knowledge base by investigating that scientists' curiosity led to advancements in science (L)

### Reading

- [7] 3.1.4 The student uses strategies to decode or comprehend the meaning of words in text by determining the meaning of words in context, including content-specific vocabulary, words with multiple meanings, or precise vocabulary (e.g., vague vs. ambiguous).
- [8] 3.1.4 The student uses strategies to decode or comprehend the meaning of words in text by determining the meaning of words in context, including content-specific vocabulary, words with multiple meanings, or precise vocabulary (e.g., angry, vexed, segmented, segregation).

## Search Terms:

- aurora oval
- latitude
- magnetic field lines
- all-sky camera
- equator
- rotation axis
- Elias Loomis
- vocabulary
- aurora
- Northern Lights
- north pole
- south pole