

MEASURING THE AURORA SCAVENGER HUNT

Lesson Summary:

Students navigate the Measuring the Aurora unit of the *Aurora Alive* DVD to find the answers to questions on the STUDENT WORKSHEET: "Measuring the Aurora Scavenger Hunt."

Objectives:

The student will research information by interacting with the *Aurora Alive* DVD.

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.

Search Terms:

- Tom Hallinan
- spectrometers
- photometers
- wavelengths
- all-sky camera
- aurora TV camera
- narrow-field camera
- magnetic field
- satellites
- aurora
- Northern Lights