

# SOLAR WIND AMONG THE PLANETS

## Lesson Summary:

Students create artwork that depicts the solar system and the solar wind.

## Objectives:

The student will:

- determine which planets in the solar system have an aurora; and
- create a painting of the solar system including aurora ovals above the magnetic poles of appropriate planets.

## 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.
- [8] SD4.1 The student demonstrates an understanding of the theories regarding the origin and evolution of the universe by creating models of the solar system illustrating size, location/position, composition, moons/rings, and conditions.
- [11] 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 exploring causes and effects related to phenomena (e.g., the aurora, solar winds, Coriolis Effect).

## Search Terms:

- solar system
- solar wind
- planets
- aurora
- Northern Lights
- art