

TIMELINE OF AURORA EVENTS

Lesson Summary:

Students build a timeline to help them review important dates in history that pertain to aurora research.

Objectives:

The student will:

- review historical events related to aurora research;
- determine that history is a record of human experiences linking the past to the present and future;
- identify a chronological framework for organizing historical ideas, institutions, people and events within time sequences;
- conclude many individuals have contributed to the traditions of science. Studying some of these individuals provides further understanding of scientific inquiry, science as a human endeavor, the nature of science, and the relationships between science and society;
- determine that society, culture, history, and environment affect the development of scientific knowledge; and
- learn that scientific discovery is often a combination of an accidental happening and observation by a knowledgeable person with an open mind.

GLEs Addressed:

Science

- [6] SE3.1 The student demonstrates an understanding of how scientific discoveries and technological innovations affect our lives and society by describing the various effects of an innovation on a global level.
- [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:

- timeline
- William Gilbert
- Sputnik
- Charles Deehr
- aurora zone
- Vincent Ferraro
- aurora substorm
- Hubble
- Geophysical Institute
- ionosphere
- Carl Stormer
- Elias Loomis
- Rene Descartes
- Northern Lights
- satellites
- aurora television camera
- International Geophysical Year
- Elias Loomis
- Sydney Chapman
- Syun Akasofu
- aurora forecast
- Poker Flat Research Range
- Veryl Fuller
- Merle Tuve
- Anders Jonas Angstrom
- Jean-Jacques d'Ortous de Mairan
- aurora
- history