



Introduction to Science Topics

- Thursdays from 4-6pm in lecture room of the Fairbanks Museum & Planetarium
- 21 weeks broken into three 7 week sessions
- \$105 a session or \$315 for all three sessions
- Room for 20 students, ages 9 and up

Session 1: Sept 26, Oct 3, 10, 17, 24, 31, Nov 7

Session 2: Jan 9, 16, 23, 30, Feb 6, 13, 20,

Session 3: Mar 5, 12, 19, 26 April 2, 9, 23

Here we will explore science topics through lively discussions using our collections, planetarium and classes geared to the Next Generation Science Standards. We build ourselves a bigger model of the universe while filling in the gaps of our science knowledge. Taught by Bobby Farlice-Rubio.

Session Topics

Session 1: What is the scientific method and how do we use it? We will dive into the fundamental forces of nature such as physics, biology, evolution, and adaptation. Use and understanding of the periodic table will be highlighted. The focus is on both life and physical sciences.

During the break (Nov-Dec), students will choose a scientific book to read and present to the group. We will discuss book choices with the first session students.

Session 2: Exploring Astronomy. Spend time learning the history of this science all the way up to what possibilities lie in the near future for us in our solar system and beyond. All of these classes will make use of the planetarium. The focus is on both earth and space sciences.

Session 3: What is a scientist? Learn some of the amazing stories behind scientific break throughs and the dangers of unethical science. The focus is on presentations and science fair projects. This session ends with a science fair for all participants to be held at the museum, which should be April 23rd depending on school vacation week.

Notes will be taken with highlights of what the students learn each week and emailed to the parents. Readings will be assigned and homework is encouraged with students sharing out a topic of interest they research for the next class.

Fairbanks Museum & Planetarium lecture room and planetarium are at 1302 Main Street, St. Johnsbury VT.