

History and *stars*



Grade Eight

1 hour talk on light, sextants, and telescopes. Students will handle sextants and learn the basics of their use to collect light from heavenly bodies and compare it with earthly vistas. Includes a comparison of how voyageurs and astronauts use technology to understand their world using the sky. Includes constellations and different cultural stories about the stars, Indigenous use of stars and Indigenous stories.

How We Saw, See, Experience and Use the Sky Above Us

Asks the questions: If explorers didn't have stars, what would they have done? What if the stars go out now? **\$75/class**

The following can be added on to 'History and Stars':

Stellarium Show-30 minutes

In depth talk of the uses of constellations and how to find and use them for survival.

\$25/class

Star Stories-30 minutes

Featuring a take home constellation cube, constellation book and Indigenous Star Stories printable with included talk **\$5/participant**

Galilean Telescope-2 hours

Make a real telescope featuring two lenses and a stand!

\$7/participant

Freeze-Dried Food (corn, pineapple and strawberries)

Enjoy food just like the astronauts eat and experience a little of what space life is like.

\$3/serving

Jerky /Bannock

Enjoy food eaten by voyageurs on their adventures across Canada.

\$2/participant

Glow in the dark constellation cube- 45 minutes.

Students make their own glow in the dark cube featuring prominent constellations.

\$3/participant

Please see following pages for your grade's curriculum outcomes.

To book, email

manager@northernrockiesmuseum.com

or call at 780-801-2643.

Also available for



Bring the museum to your school!

Grade 8 History and Stars Outcomes

Science Unit C.1. Investigate the nature of light and vision

Learn the importance of celestial bodies to mankind's development through observation with the naked eye, sextant and telescopes.

Science Unit C.2. Transmission of light

Learn how to use a sextant, using angles and reflection to discover accurate results.

Science Unit C.3. Image Formation and Vision

Work with a sextant and learn about telescopes.

Galilean Telescope

Science Unit C.1. Investigate the nature of light and vision

Observe celestial bodies with a single lens telescope students will build.