



History to Stars

How we saw, see, experience, and use the sky above us.

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.
\$75/class

The following can be added on to History to Stars

Stellarium Show-30 minutes

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

\$25/class



Constellation Cube- 45 minutes.

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

\$3/participant

Voyageur Games - 30 minutes

Learn how to play like a voyageur. Students will enjoy 3 voyageur style games.

\$15/class



Simple Sundial- 30 minutes

Create a simple sundial to take home.

\$2/participant

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

To book, fill out the submission form at <https://www.northernrockiesmuseum.com/tours-and-programs>

Also available for



Bring the museum to your school!

Grade 6 curriculum outcomes

*Previous Curriculum
2023, new curriculum*

History to Stars

Science 6.7 Observe, describe and interpret the movement of objects in the sky; identify pattern and order in these movements.

- *Students will learn the importance of stars and the sun for scientific and cultural advancement*

Science 6.7.1-6.7.12 Properties of Light in Space

- *Learn how to use sextants, telescopes and how light travels through space.*

Science 6.7.3 Movement of Bodies in Space

- *Use of sextants and how the reliability of night sky objects and their movement was how these tools were used. Understanding how the earth rotates is essential to accurate mapping of the earth using a sextant.*

Science 6.7.4 - 6.7.7 Observation of Space

- *How to safely observe light from space. How to use the sun with a sextant or with telescopes and the necessary safety precautions.*

Science 6.7.11 International Space Station

- *The tools that are on board or used by the International Space Station. How astronauts survive in the hostile environment of space.*

Social 6.S.2 Develop Skills of Historical Thinking

- *Use of museum resources and staff to deepen understanding. Changing of star stories over time and cultures.*

Social 6.S.3 Develop Skills of Geographic Thinking

- *Learning how sextants can establish your position on earth using geography of both the sky and the land.*

Social 6.S.8 Demonstrate Skills of Oral, Written and Visual Literacy

- *Discussions, communication and listening skills.*

Science, Space: Students analyze and represent celestial bodies of the solar system.

- *Students will compare past and present space exploration technologies and learn about the difficulties and barriers to living and working in space.*

Stellarium Show

Social 6.2.4 Analyze Democracy in Athens

- *Ancient Greeks imposed rules on everything from life (democracy) to the stars (math and physics). The precision of the zodiac and movement of the stars will be explained in the stellarium show.*

Science 6.7.2 Stars and Constellations

- *Greek, Indigenous and modern constellations, how they change seasonally, and how they have changed over time. Also includes constellation stories from both the Ancient Greeks and the Iroquois.*

Science 6.7.3 Movement of Bodies in Space

- *Understanding how the earth rotates is essential to accurate mapping of constellations.*

Social 6.S.3 Develop skills of geographic thinking

- *Learn how the position of the earth changes the positions of constellations in the night sky.*

Science, Space: Students analyze and represent celestial bodies of the solar system.

- *Students will learn about celestial objects in the solar system, and celestial objects that emit or reflect light.*

Constellation Cube

Science 6.7.1 Light Emitted by Celestial Bodies

- *Learn about constellations and the light they emit, while creating our own light emitting dice*

Science 6.7.2 Stars and Constellations

- *Students will draw constellations and make them easily recognizable.*

Art Level Three, Media and Technique, Drawing

Science, Space: Students analyze and represent celestial bodies of the solar system.

- *Students will learn about celestial objects that emit or reflect light.*

Voyageur Games

Social 6.S.2 Develop Skills of Historical Thinking

- *Learn and play games that people enjoyed over two centuries ago.*

Simple Sundial

Science 6.7.8 Orbit vs Rotation

- *Building of a simple sundial. What longitude is and why there is a difference between the southern and northern hemisphere and the time of year.*