Lesson 2: Adventures in Science

OVERVIEW

Enduring Understanding
“What’s the point?”
In this lesson students will have the opportunity to explore career paths related to the Arctic. Students will get to meet several scientists from the Canadian Museum of Nature (CMN), as well as staff from the Students On Ice (SOI) program. Through their explorations students will learn more about educational requirements, job descriptions, and opportunities for natural science careers.

Essential/Guiding Question
What are some of the natural science career opportunities in Canada, and what are some of the paths you can take to get there?

Curriculum Links
Science, CALM, Careers

LESSON FRAMEWORK

Time required
20 minutes to 1 class period depending on choice of debrief and use of extensions and enrichments.

Materials
Computer lab or tablets/notebooks/laptop cart with internet access. Method of recording observations and reflections

LESSON CONTENT

Hook
Have students work as a class to generate ideas of career possibilities in the natural sciences (This can also be done as a Think-Pair-Share, or in groups).

Activity
On the “Team” portion of the Expedition Arctic website, read through the information on each of the highlighted individuals, thinking about the following reflection questions:
- What is the individual’s job?
- What do they do in their job?
- Do you find this job interesting? Why/Why not?
- What kind of background do you think they have?
Choose one of the individuals whose career interests you the most and follow the link on the bottom of their page to learn more about their chosen career, thinking about the following reflection questions:
- What was their career path?
- What did you learn about this career?
- What aspects of this career do you find most interesting?
- What do you perceive as challenges within this career?
- What would you like to know more about this career?
- How might you get involved in this career?
**Formative assessment/debrief**

Have students make a brief presentation to the class about the career path they chose to focus on, what interests them about that career path, and what might be involved in following that career path themselves.

Have students pair up with another student who chose a different career to focus on, and do a Think-Pair-Share. This can be repeated a number of times to explore all careers.

Have a “Cocktail Party”: Students walk around the room and introduce themselves to each other as the persona of the person whose career path they studied. They should be able to talk about their name, career, how they got into the career, and a few interesting facts about their work.

<table>
<thead>
<tr>
<th>NEXT STEPS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Adaptations</strong></td>
</tr>
<tr>
<td><strong>Enrichments</strong></td>
</tr>
<tr>
<td><strong>Extensions</strong></td>
</tr>
</tbody>
</table>