



Episode 1

CRESTON WILDLIFE MANAGEMENT AREA

RESTORING HABITAT FOR THE NORTHERN LEOPARD FROG

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Backgrounder: GLOWS (Growing & Learning Opportunities With STEAM) provides opportunities to help youth ages 5-19 find inspiration about their post-secondary education in a variety of STEAM (Science, Technology, Engineering, Art and Math) disciplines.

Big Ideas: Careers Good learning and work habits contribute to short- and long-term personal and career success

Big Ideas: Science Communicate ideas, explanations, and processes in a variety of waysIntroduction

Educator Task: Display the [Science Literacy Week](#) website on your classroom screen. Use the about page.

Read the description aloud -or- ask your learners to read the description.

Science Literacy Week showcases the diversity of Canadian science and the culture it's embedded in. Libraries, museums, science centres, schools and not-for-profits come together to highlight the books, movies, podcasts and events that convey the excitement and influence of science in our everyday lives. It's about each and everyone's unique relationship with science and how they live it.

Educator Task: Scroll down to the Biodiversity section

This year's theme is biodiversity. Canada is a country rich in biodiversity, and this year we're celebrating that diversity. From lakes to oceans, prairies to boreal forests, marshland to tundra, our country is brimming with science. We're encouraging Canadians to explore what makes these environments unique and so amazing and why we need to conserve them for future generations.

Then say: The Kootenay Association for Science & Technology's youth program GLOWS, based out of Nelson, BC has partnered with Science Literacy Week to produce BiodiversiTV, a multimedia learning experience showcasing biodiversity in the Kootenay region. We'll be learning from four Kootenay based organizations working to protect the biodiversity of this region. The videos will focus on two areas, science and technology and education & career paths.

BiodiversiTV

ACTIVITY 1 - NOTE TAKING

Supplies: Legal Size (8.5x14) Paper for NOTES PDF

Educator Tasks: Print [NOTES PDF](#) and hand out to learners.

Prompt: Discuss Benefits of good note taking:

Improves focus and attention to detail.

Promotes active learning.

Boosts comprehension and retention.

Teaches prioritizing skills.

Extends attention span.

Improves organization skills.

Increases creativity.

PROMPT: Tell learners to take good notes.

Take notes through the video and also through the open discussions where you can take notes others captured that you may have missed. The objective of this exercise is to capture as much information as possible. Feel free to use both sides of the paper.

Educator Task: Visit the KAST website and play [Episode 1 of BiodiversiTV](#) for your learners.

ACTIVITY 2 - OPEN DISCUSSION

PROMPT: Ask learners who would like to share one note they took from each section of their Notes worksheet.

Remind them to keep it brief, and share the note as written, however they can expand more on the fun fact or idea - and share their inspiration.

Educator Task: Notice which students are taking notes during the open discussion - as instructed at the start of Activity 1.

Feel free to add additional discussion topics here. (ie) Has anyone ever been to the Creston Wildlife Management Centre? What other questions does this episode of BiodiversiTV make you think of? Etc.

ACTIVITY 3 - ONLINE RESEARCH

Learning outcome: use the News filter to add current event insight to your online research.

PROMPT: Google is widely underused for gathering information through the NEWS filter. Below are two subjects referenced in the video that are not defined. Let's do some research.

Consideration: Credible online resources are essential for academic research.

Educator Task: On your class screen (or if available ask your learners to use their devices): Open a Google page on the web and search:

Ramsar Convention

Explore the Ramsar Convention web page to determine its significance to the Creston Valley Wildlife Management Area. (students should continue taking notes)

After initial research is completed filter the **search by the News tab**. Explore any current events related to the Ramsar Convention happening in Canada. (At the time of this toolkit being written we were able to find a story based out of St. Catharines Ontario, adding the Niagara river designation.) **Repeat the above process with the term: PIT Tag**

ACTIVITY 4 - POP QUIZ

Educator Tasks: Print [POP QUIZ PDF](#) & [Answer KEY](#)

PROMPT: Ask learners to put away all their belongings EXCEPT their BiodiversiTV NOTES.

Learners can use their notes during this quiz.

After the quiz: Educators can share the answer key on your classroom screen and ask students to exchange quizzes with their neighbour to mark them, or you can collect them.

FEATURED FAVES

Optional - Explore the apps recommended by Marc-Andre in your area.

Featured Faves Apps:

- [eBird](#)

- [iNaturalist](#)