

Episode 3

Central Kootenay Invasive Species Society

RESTORING HABITAT, PREVENTATIVE MONITORING & BEHAVIOUR EDUCATION

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Background: 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. BiodiversiTV is a multimedia learning experience created for Science Literacy Week that showcases biodiversity in the Kootenay region.

Objectives:

- Identify the purpose of the Central Kootenay Invasive Species Society (CKISS).
- Understand how restoring native plant habitat protects at-risk species, improves creek stability and wildlife habitat.
- Understand how GIS mapping supports CKISS to map and prevent the spread of invasive species.
- Recognize that human behaviour is the primary cause of invasive species being introduced to our local ecosystem.
- Understand that community education programs are the most effective and economical preventative measures used to combat invasive species.
- Recognize the influence the scientists interests and passions had on their choice of education.
- Consider a local college to pursue natural sciences.
- Make the connection between temporary full-time summer student work opportunities and permanent full-time employment outcomes.

Key Questions:

- How will restoring the native plants habitat at Beaver Creek Provincial Park benefit the ecosystem?
- Why does the Senior Field Technician use GIS mapping?
- How are the education and career pathways of Nerissa, Jessica, Khaylish and Laurie similar?
- Why is CKISS strongly focused on invasive species prevention?
- How do the water samples at Arrow Lake help CKISS determine if the Zebra Quagga Mussels are present?
- Why is human behaviour a key component of the community education programs?
- What would happen to the biodiversity of our ecosystem if invasive species were not monitored and removed?



ACTIVITY 1 - WATCH BIODIVERSITY EPISODE 3 AND DEFINE KEY TERMS

Supplies: Paper for [Checklist + Terminology Worksheet](#)

Educator Tasks: Print Checklist + Terminology Worksheet and hand out to learners.

Visit the KAST website and play [Episode 3 of BiodiversityTV](#) for your learners.

Prompt: Use the provided worksheet to check off and define terminology as you hear it. If the definition is not stated in the video, look up the definition when the video ends.

ACTIVITY 2 - CREATE AN INVASIVE SPECIES BROCHURE

Activity: Ask your learners to develop a brochure to highlight an invasive animal species that is present in their region or has the potential to invade. Get them to research and list public outreach and awareness activities that could help bring attention to this species. (e.g. posters, door-to-door brochure campaigns, radio announcements, mall or special event booths, Earth Day events, campsite visits, park interpretive programs, beach and boat launch visits, pet store and aquarium visits.)

Source: BC Invasive Species Council
Discover Activity #5(p.6)

ACTIVITY 3 - INVASIVE SPECIES CAREERS

Ask your learners to create an interview sheet that asks specific questions to an employee working for a local agency or site focused on invasive species.

To relate this activity to BiodiversityTV you can ask learners to create a mock interview for a CKISS staff member introduced in episode 3.

Interview questions can be science and technology or career path oriented.

Source: BC Invasive Species Council
Discover Activity #7(p.6)

ACTIVITY 4 - OPEN DISCUSSION

Ask the key questions recommended in the introduction to gauge if your learners have met the learning objectives outlined for this episode of BiodiversityTV.

FEATURED FAVES

Optional - Explore the apps and/or borrow the books recommended by CKISS staff

Featured Faves Apps:

[Merlin Bird ID](#)

[Report a Weed BC](#)

Featured Faves Books:

[Plants of Southern Interior BC](#)
by Roberta Parish, Ray Coupe,
Dennis Lloyd