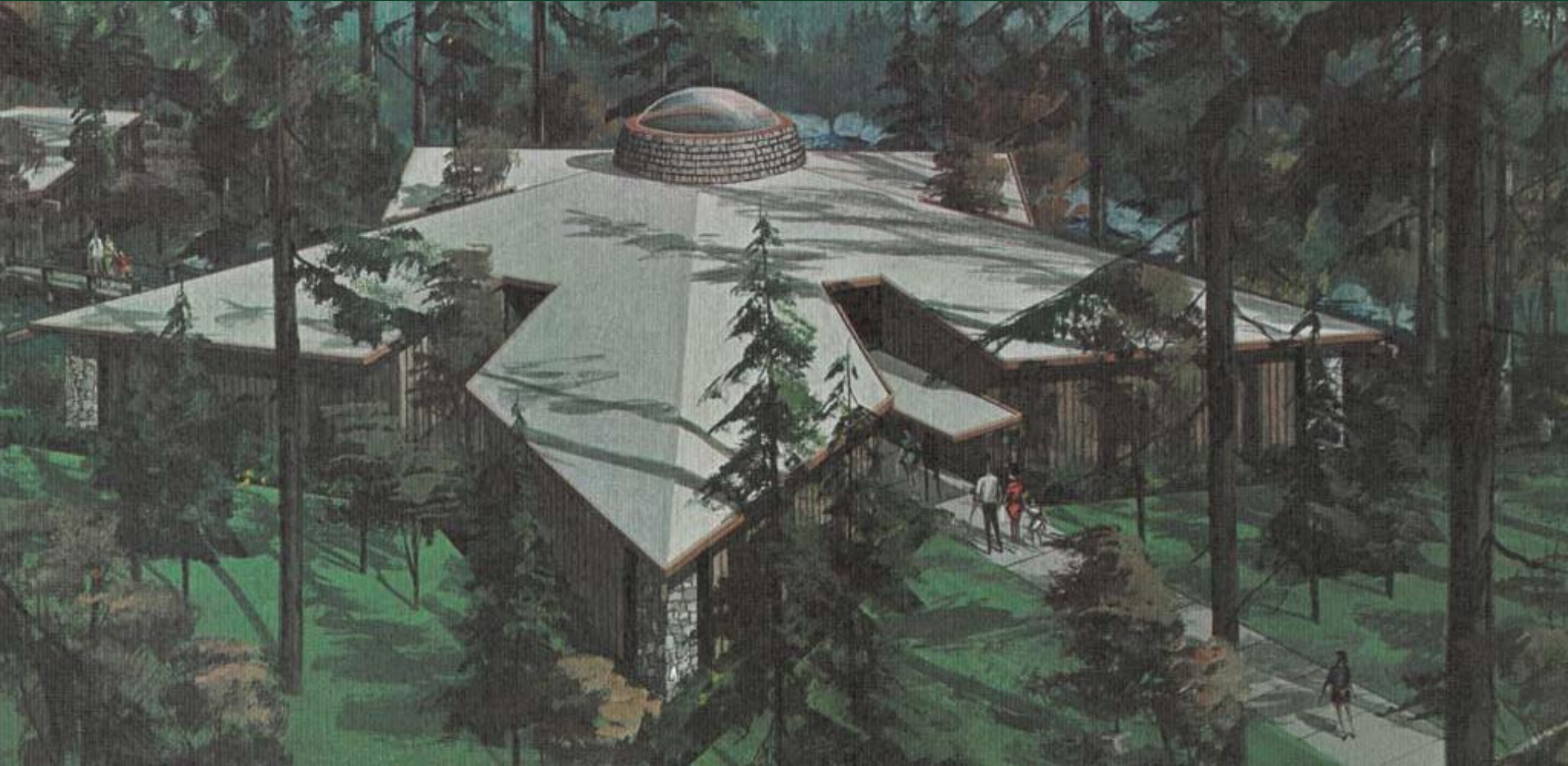


# Discover – Connect – Explore

Lynn Canyon  
Ecology Centre





# Who Are we? Nature Museum

Lynn Canyon  
Ecology Centre



## RODENT SOLUTIONS

**ON THE MENU**  
**Let Predators Do Their Jobs**  
Rodenticides disrupt food chains. When predators are poisoned, rodents breed unchecked and their populations can grow out of control.

**Food For Thought**  
A study of urban coyotes found that 42% of their diets consisted of small rodents. A family of barn owls can eat 13,000 rats a year.

**NO TO RODENTICIDE**  
Ineffective and inhumane.  
Never achieves permanent results.  
Secondary poisoning of wildlife.  
Toxic bioaccumulation.  
Risk to people and pets.

**PREVENTION**  
Remove outdoor food attractants including pet food, bird seed, and dropped fruit.  
Keep garbage contained with tight fitting lids.  
Prune shrubs and vegetation away from buildings.  
Locate and block all access points into your buildings (roofs, doors, foundations).

**ALTERNATIVES**  
Install owl nesting boxes if appropriate.  
Hire rodents exclusion companies rather than pest exterminators.  
Mechanical traps (live trap, snap trap)  
CO2 powered traps like the A24 Automatic Rat and Mouse trap.  
Predator urine or scent.

**No Glue Traps**  
Rodents and non-target species that get stuck in glue traps suffer slow, horrible deaths.

## HUMANE CONTROLS

**DISTRICT OF NORTH VANCOUVER**

**GOOD NEWS**

The District of North Vancouver is the first municipality to ban anticoagulant rodenticides at all of its properties, parks, and facilities. Many other cities and municipalities are following North Vancouver's lead and protecting their wildlife from the harmful effects of rodenticide.

While this is a positive step, municipalities do not have the authority to regulate pest control companies or stop the use of rodenticide on private property.





# Museum – Lynn Canyon in Miniature

Lynn Canyon  
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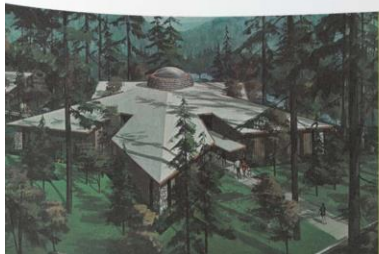
Join the Lynn Canyon Ecology Centre in celebrating

50 YEARS  
of Nature Connections



Saturday,  
October 2  
12 pm - 4 pm

Drop-in, COVID-safe,  
family friendly events.  
Rain or shine!





# Connecting Residents Locally & Globally

Lynn Canyon  
Ecology Centre



[Back](#)

COUNTRY

Which country do you reside in?

Canada

This information allows us to correctly compute your carbon footprint.

CONTINUE





# Who are we? – Programs

Lynn Canyon  
Ecology Centre



## WILDLIFE WEEKS

**SPRING BREAK - March 15 to 26**

Suggested donation \$2 per person or \$5 per family  
Plan to arrive early as space is limited and seating is on a first come basis

### REMARKABLE REPTILES

Sunday, March 15, Noon to 4:00 pm  
Presented by the Westcoast Reptile Education Society  
Meet a variety of snakes and lizards and discover they're warmer than you think.

### SWOOP AND SOAR

Monday, March 16, 1:00 pm  
Presented by the Orphaned Wildlife Rehabilitation Society  
Learn about OWRS efforts to rescue, rehabilitate, and release injured raptors.

### WILD NEIGHBOURS

Tuesday, March 17, 1:00 pm  
Presented by the Fun-Bearers  
Learn how to peacefully co-exist with our wild neighbours.

### THE CATERPILLAR AND POLLYWOG

Friday, March 20, Shows at 10:30 am, 11:30 am and 1:00 pm  
Presented by the Ecology Centre Black Light Puppeteers  
Join Katie the Caterpillar, Tom the pollywog, and all their pond pals for this whimsical black light puppet show.

### WILD ABOUT MASON BEES

Monday, March 23, 10:30 am  
Presented by Taren Urquhart  
Discover the importance of mason bees and then build a bee house.

### NIGHT FLYERS

Tuesday, March 24, 1:00 pm  
Presented by the BC Community Bat Program  
Find out about bats and their amazing night-flying, bug-catching abilities.

### BEAR ESSENTIALS

Thursday, March 26, 10:30 am  
Presented by the North Shore Black Bear Society  
Decode the mysteries of black bear behaviour.

### CITY SALMON

Thursday, March 26, 1:00 pm  
Presented by Fernando Lessa  
Discover the urban salmon that depend on clean water in our local waterways.

604-990-3755  
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## SUMMER CAMPS 2021

### LYNN CANYON ECOLOGY CENTRE

#### FOREST EXPLORERS

Monday, June 28 to Wednesday, June 30  
9:30 am to 12:30 pm  
For children ages 5 to 8. Cost: \$81.50  
Become a Junior Ecologist in Lynn Canyon Park! Increase your knowledge and appreciation for nature by exploring the temperate rainforest using fun activities and games, including every camper's favourite game, camouflage!

#### WILD AND WET

Monday, July 19 to Wednesday, July 21  
9:30 am to 12:30 pm  
For children ages 5 to 8. Cost: \$81.50  
Learn about where our water comes from and what creatures swim in the canyon, with lots of land-based water activities. Splash warning: you might get wet!

#### MARVELOUS MUCK & STUPENDOUS SLIME

Monday, July 26 to Wednesday, July 28  
9:30 am to 12:30 pm  
For children ages 5 to 8. Cost: \$81.50  
Slugs and snails, mud and mushrooms: learn about the slippery, slimy, and muddy places in the forest. Make some slime to take home as well!

#### NATURE CREATIONS

Monday, July 26 to Wednesday, July 28  
9:30 am to 12:30 pm  
For children ages 6 to 8. Cost: \$81.50  
Get hands-on with nature at this maker-oriented summer camp. We'll explore nature art and see how the outdoors inspires us to create!

#### INCREDIBLE INVERTEBRATES

Monday, August 9 to Wednesday, August 11  
9:30 am to 12:30 pm  
For children ages 6 to 8. Cost: \$81.50  
Learn about and find some of the incredible invertebrates that live in our temperate rainforest and why they're so important. Hike, play games and make some crafts!

#### NATURE DEFENDERS - older kids

Wednesday, July 7 to Friday, July 9  
1:00 pm to 4:00 pm  
For children ages 8 to 12. Cost: \$81.50  
Become a protector of the Earth! Learn how you can help the plants and animals living in Lynn Canyon Park while engaging in fun activities, crafts, and games.

#### NATURE CREATIONS - older kids

Monday, August 16 to Wednesday, August 18  
9:30 am to 12:30 pm  
For children ages 8 to 12. Cost: \$81.50  
Get hands-on with nature at this maker-oriented summer camp. We'll explore nature art and see how the outdoors inspires us to create!

#### ECO-EXPERIMENTING

Monday, July 12 to Wednesday, July 14  
9:30 am to 12:30 pm  
For children ages 5 to 8. Cost: \$81.50  
Dig in and discover what makes our ecosystem tick. We'll explore with fun experiments, projects, and crafts. How can you use the sun to develop a photo? Let's find out!

#### RAINFOREST DETECTIVES

Monday, August 23 to Wednesday, August 25  
9:30 am to 12:30 pm  
For children ages 5 to 8. Cost: \$81.50  
Investigate the mysteries of Lynn Canyon Park! Develop your detective skills and learn about our forest with games, activities and crafts. Find out who's hiding underfoot, and what animals might be spying on you!

#### CANOPY CAPERS

Wednesday, July 14 to Friday, July 16  
1:00 pm to 4:00 pm  
For children ages 5 to 8. Cost: \$81.50  
What's up? From birds to lichen ferns, learn how animals and plants survive in the canopy of the temperate rainforest.

Ecology Centre Summer Camps: Where the FOREST and FUN meet!  
Phone to register: 604-990-3755  
lynnanyonecologycentre.ca

## SPRING SCHOOL PROGRAMS 2020

at the ECOLOGY CENTRE



Curriculum linked programs for:  
Preschools  
Elementary schools  
Secondary schools  
International schools

School programs begin  
on Monday, April 6 and run  
through Friday, June 19

Registration begins Wednesday, February 5 at 10:00 am. 604-990-3755

## ECOLOGY IN YOUR CLASSROOM

The Ecology Centre is taking its programs on the road to North Shore schools this fall



GREAT SLUG HUNT (primary)    ONCE UPON A TREE (primary)    BC BIODIVERSITY (intermediate)  
Save on bus fees! For a limited time we'll visit you. Call 604-990-3755 for available dates.

## A Gathering of Eagles

Vancouver's Urban Eagles

David Hancock at the Ecology Centre  
Saturday, January 25, at 1 pm. Cost: \$9



Some of the largest concentrations of wintering bald eagles are found along the rivers and estuaries near Vancouver. Get a bird's eye view of these amazing raptors with David Hancock of the Hancock Wildlife Foundation. David is a biologist, conservationist, and lecturer who has spent most of his life studying West Coast and Arctic wildlife with a particular focus on bald eagle adaptations to the urban environment.

ecocentre@dnv.org

lynnanyonecologycentre.ca



**one earth** Registration is required. Phone 604-990-3755  
Ecology Centre Speaker Series - 2020

## IMAGINE AND EXPLORE WHOOO'S IN THAT FOREST?

Virtual program  
For ages 3 to 8 with  
an adult  
Cost: \$5  
Register on Eventbrite

Join the Lynn Canyon  
Ecology Centre to  
discover the world of  
owls!

Learn how owls use  
their senses, where  
they live, and how they  
communicate.



Photo by Philip Brown on Unsplash

## The BEAR FACTS

Wednesday, June 10, 2020 at 1 pm  
Discover British Columbia's bears with Luc Cadman, education coordinator for the North Shore Black Bear Society.  
\* Hosted by the Ecology Centre

## Virtual Frogs Are Awesome

Hosted by the Ecology Centre





# Adapting to Covid

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Ecology Centre



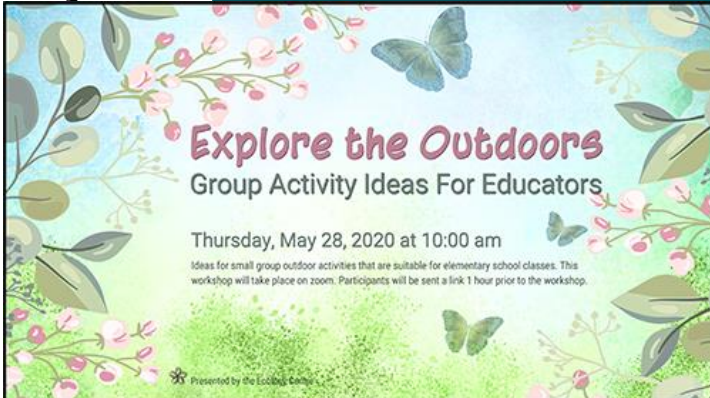
May 2020: Virtual Gardening

Workshops

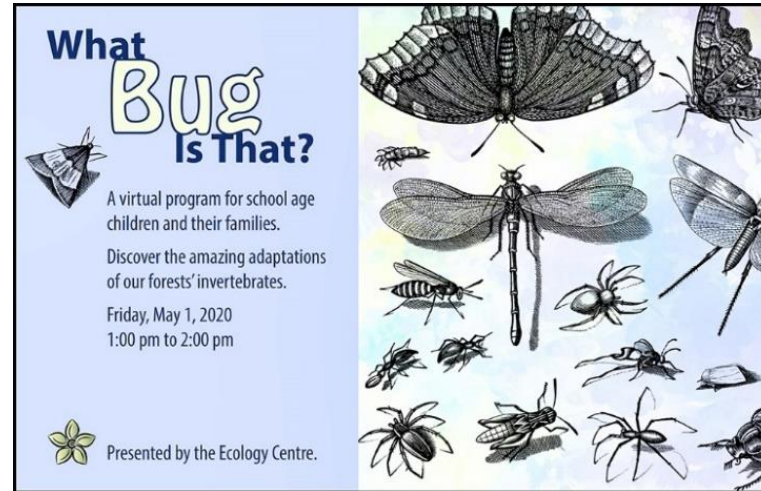
May 2<sup>nd</sup> - [Create a Food Forest](#)

May 9<sup>th</sup> - [Productive Plants](#)

May 16<sup>th</sup> - [Keep your Plants Healthy](#)

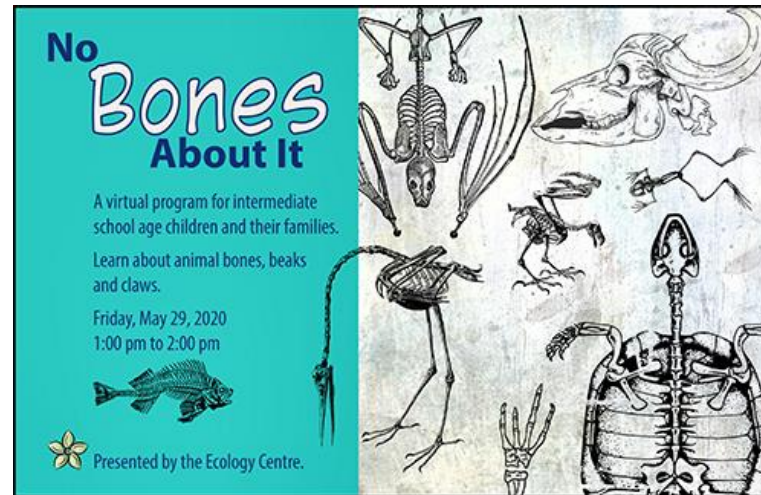


May 28<sup>th</sup> - [Explore the](#)



May 1<sup>st</sup> - What Bug is that?

May 29<sup>th</sup> - No Bones about it!

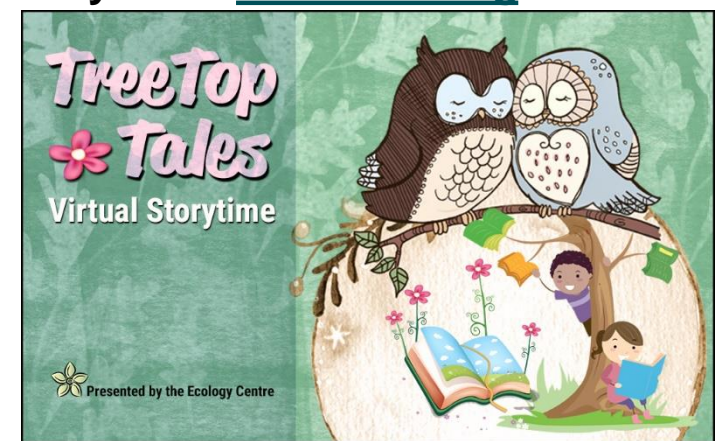


May 8<sup>th</sup> - [Making Seed Paper](#)

May 15<sup>th</sup> - [Nature masks and Crowns](#)

May 22<sup>nd</sup> - [Nature Art](#)

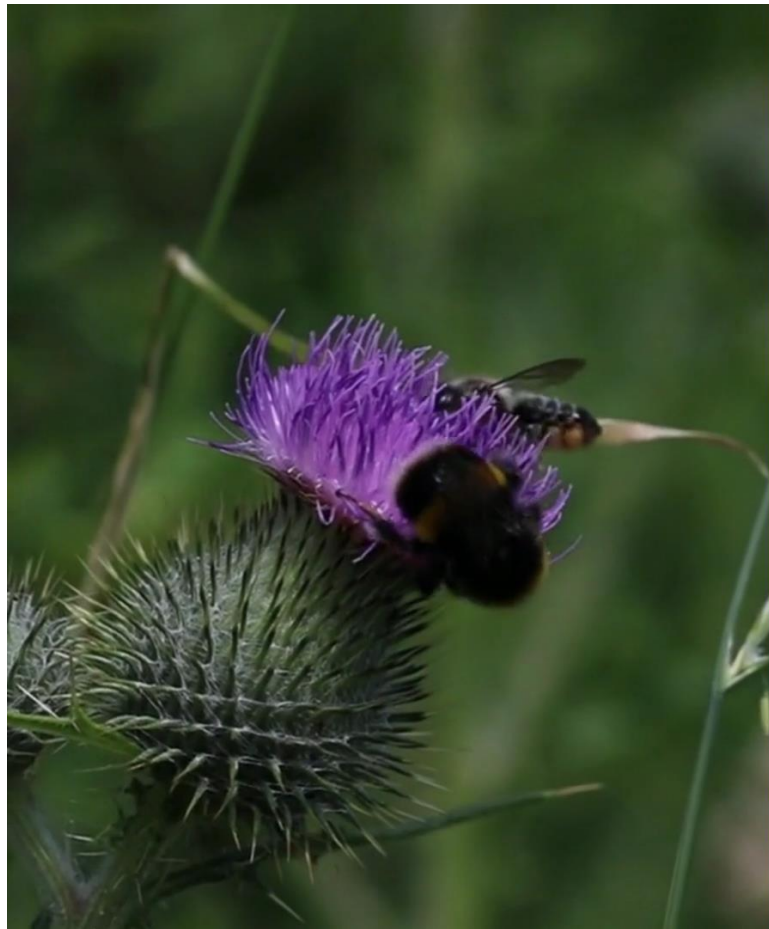
May 15<sup>th</sup> - [Here is a Slug](#)





# Our everyday work – Programs

Lynn Canyon  
Ecology Centre



Online Children's Programs

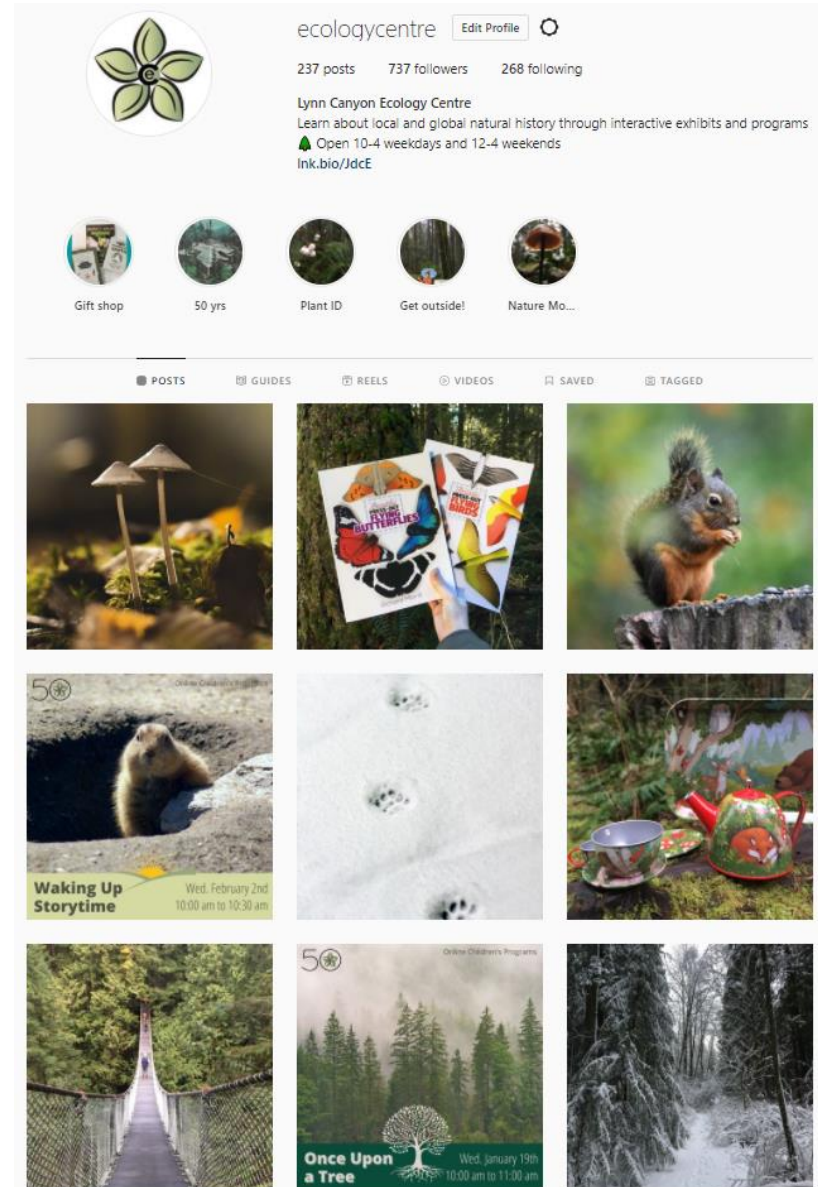
## Pollinator Gardening

Wed. February 16th  
10:00 am to 10:30 am

Learn how to create a pollinator-friendly garden, and invite bees, butterflies, and hummingbirds to your yard or deck. Ages 6+.



Register on Eventbrite.  
Please consider a \$2 donation.





# Our everyday work – Our Website

Lynn Canyon  
Ecology Centre



AA

ecologycentre.ca



50 Lynn Canyon  
Ecology Centre

Home About Us ▾ Nature Museum ▾ Lynn Canyon Park ▾ Education ▾ Get Involved ▾ Q

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Go to...



## Children's Programs



Check out our upcoming public kids programs here!

## School Programs



In-person field-trip booking starts Feb. 9.

## Park Information



Directions, hours and trail information.

## Ecology Centre



Visit the Nature Museum and gift shop.

Visit the Ecology Centre in Lynn Canyon Park. Walk in visits are accepted if space is available, maximum 15 people inside at a time. Call 604-990-3755 to book a visit if you have a large group.





# Everyday work – Highlighting our Natural World

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7°C



03/14/2021

05:50AM

ECOCAM1

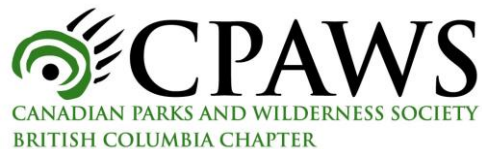


# Partnerships and Collaborations

Lynn Canyon Ecology Centre 50



Pacific Science Enterprise Centre (PSEC)  
Fisheries and Oceans Canada



North Shore Streamkeepers



Skwxwú7mesh  
Úxwumíxw  
Squamish Nation



North Shore Neighbourhood House



North Vancouver School District  
the natural place to learn®



The Borneo Orangutan Survival Foundation



Family Services  
NORTH SHORE  
Changing lives together



ELDERCOLLEGE



NORTH VANCOUVER  
Recreation & Culture



Aquatic Species at Risk  
Team - Fisheries and  
Oceans Canada



REHABILITATION SOCIETY



vancouver  
maritime  
museum

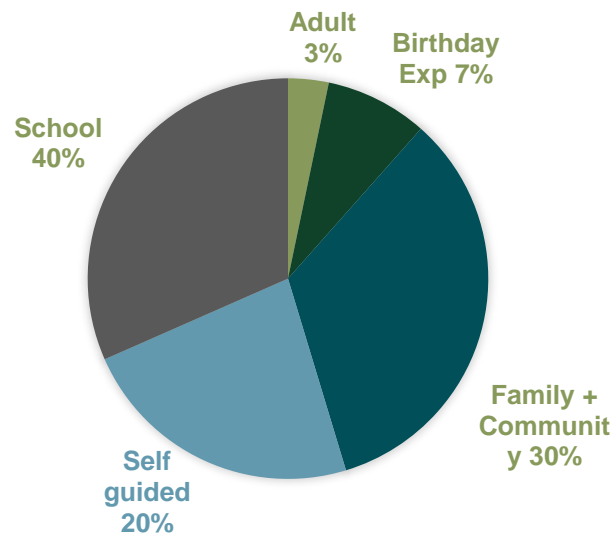


Wild Ocean Whale  
Society  
WOWS

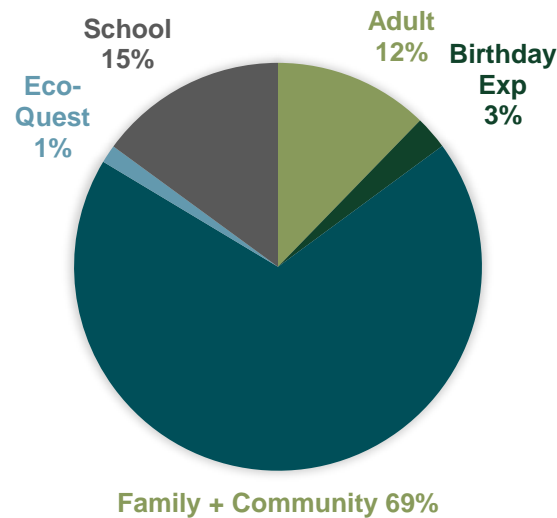


- We celebrated our 50<sup>th</sup> Birthday in 2021 (open since 1971) and have welcomed 3,308,575 visitors through our doors to date
- In 2019 we had 86,140 in person visitors to the Ecology Centre
- In 2021 we had 18,051 visitors, online (5352) and in person (12,699)

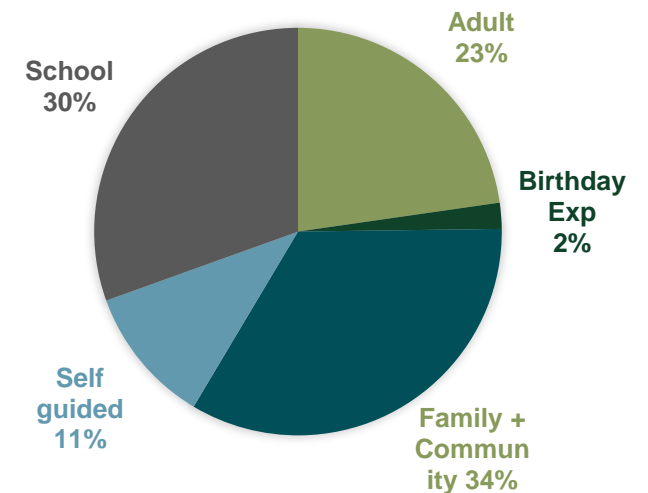
**PROGRAM  
ENROLLMENT: 9,633 IN  
2019**



**PROGRAM  
ENROLLMENT: 6400 IN  
2020**



**PROGRAM  
ENROLLMENT: 6,952 IN  
2021**





# Satellite Outdoor Learning -The whole Park!

Lynn Canyon  
Ecology Centre



## Outdoor learning in Lynn Canyon Park

- The outdoors is our classroom! All of our guided programs prior to covid and the start of our virtual programming are run entirely or in part outside for over 40 yrs
- Outdoor learning with Ecology staff and Park Rangers for collaborated interpretive guided Nature walks since 2019
- Use of the Upper Mezzanine in Lynn Canyon Café as second classroom for the Ecology Centre – Ongoing since summer 2020
- Self guided booklets on numbered posts for trails allow visitors to learn and direct their own journeys of discovery in the park
- Use of new pedestrian zone in front of the café for local special events in collaboration with café & community





# Future Plans

- Extend Programing with new outdoor learning areas to open up the front of the museum area to draw in more visitors
- Build on success of recent upgrades to displays and technology to provide a refresh on existing favourites and enhance with even more interactivity!
- After recent studies to assess the museum building which is in good shape and a part of our heritage, we plan to upgrade the back classroom building to suit our expanding needs, (public washrooms, flex area etc)
- Incorporate interpretive signage to enhance park users experience and understanding of our temperate rainforest.



In British Columbia, more than 80 species of animals depend on Wildlife Trees.

## Wildlife Trees

Who needs them?



**Primary Cavity Makers**

Primary cavity makers are birds that drill into decaying trees to create nesting sites.



**Secondary Cavity Users**

Secondary cavity users are birds and mammals that use existing holes in trees.



**Open Nesters**

Open nesters are birds that build heavy nests at the tops of large wildlife trees.



**Mammals**

Mammals den and forage for food in the soft wood of decaying wildlife trees.

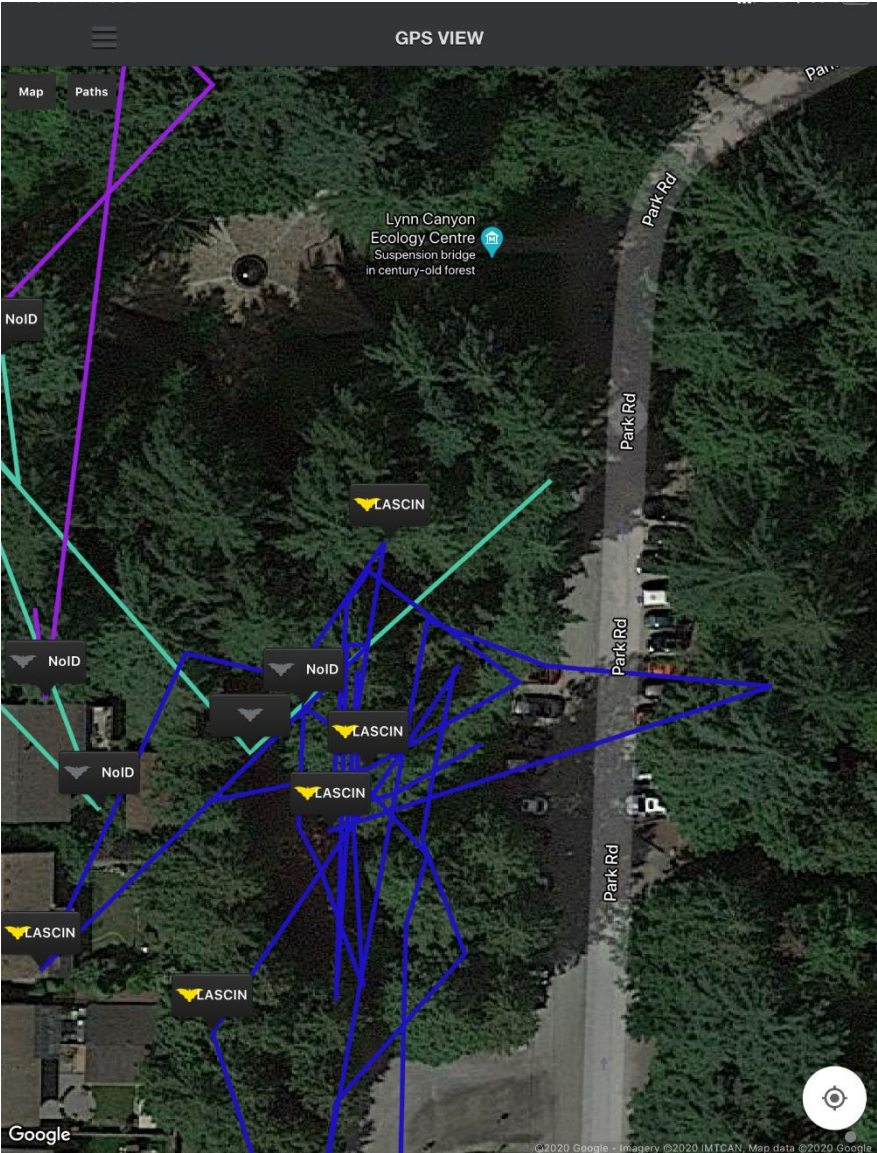


**Amphibians**

Amphibians use the moist remains of wildlife trees as sites to lay their eggs.



# The fun slides! Role of Technology for Programs



Back Lasiurus cinereus

Bat Illustration Wikipedia Page


WIKIPEDIA Search Wikipedia

### Hoary bat

The **hoary bat** (*Aeorestes cinereus*) is a species of **bat** in the **vesper bat** family, Vespertilionidae. It lives throughout most of **North America** and much of **South America**, with **disjunct populations** in the **Galápagos Islands** and **Hawaii**.

Contents


Description



Juvenile male hoary bat on a tree, frosted "hoary" dorsal coloration visible

The hoary bat averages 13 to 14.5 cm (5.1 to 5.7 in) long with a 40 cm (15.5 in) wingspan and a weight of 26 g (0.92 oz). It is the largest bat normally found in **Canada**. Its **coat** is dense and dark brown, with white tips to the hairs that give the species its 'hoary' appearance for which it is named.<sup>[2]</sup> The body is covered in fur except for the undersides of the wings. Males and females are **dimorphic** in body

#### Hoary bat



#### Conservation status

Extinct Threatened Least Concern

EX EW CR EN VU NT **LC**

Least Concern (IUCN 3.1)<sup>[1]</sup>

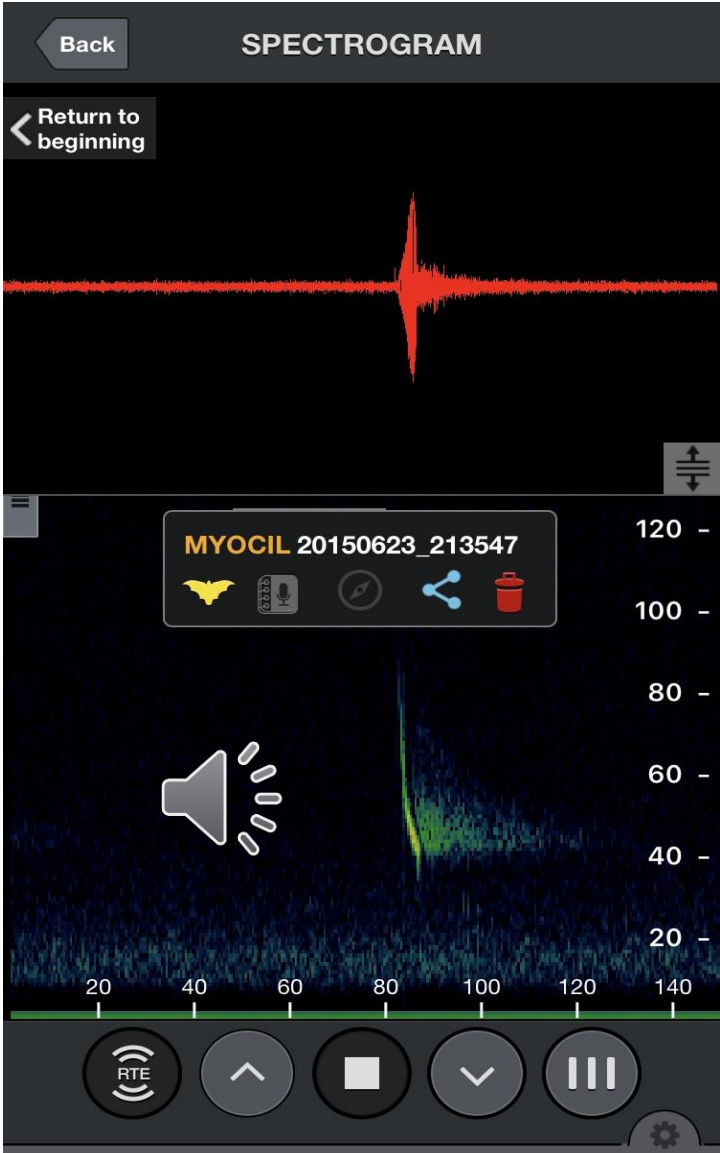
#### Scientific classification

Kingdom: **Animalia**

Phylum: **Chordata**

Class: **Mammalia**

Bat Sonar Monitoring Devices for Programs and Data Collection for Studies



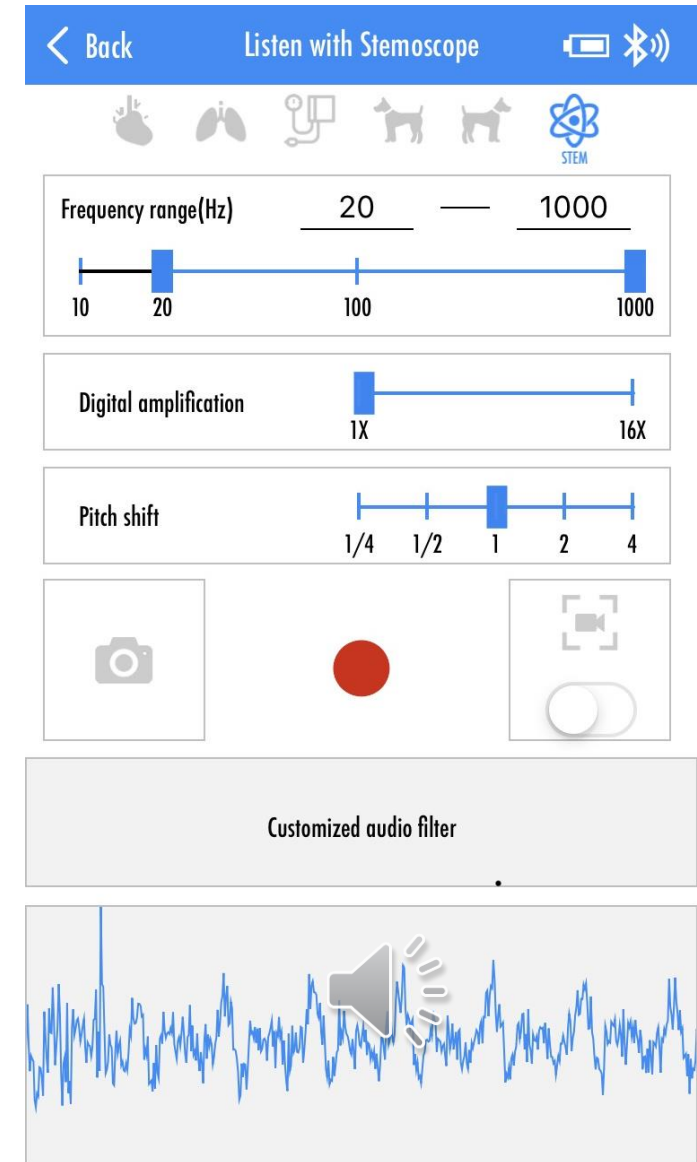
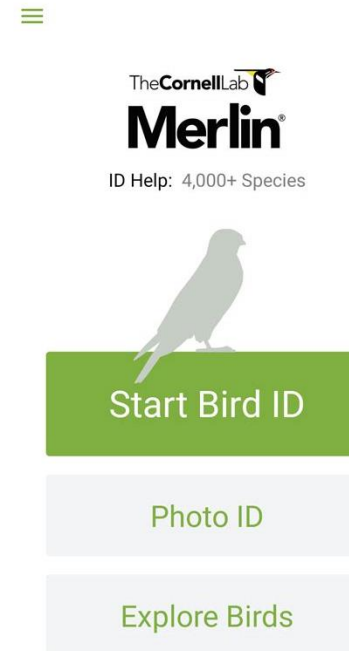


# Role of Technology - Field Studies

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- Tree Listening Device - Stemoscope technology allows us to listen to the active transport of nutrient flow from the roots up through the trunk, even hearing the popping sound when an oxygen bubble is released through the stoma of the leaf
- Wildlife Camera studies with opportunity to stream our own live cams to Centre and partner with interested parties for field data
- Identification Apps and associated tech: Bird ID , Calls, future song bird meter to monitor, frogs, birds and land mammals





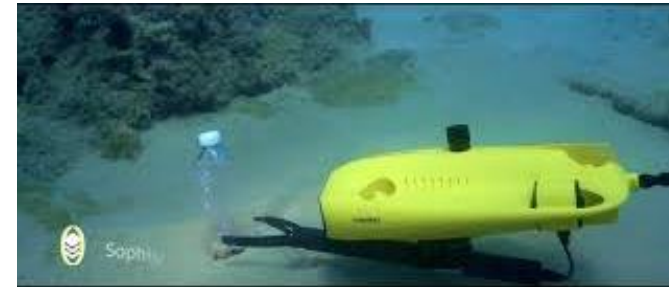
# Close up cameras and underwater ROVs

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## Macroscope 4K HDMI cameras

Our sophisticated document cameras of which we have two, allow us to look close up at leaves, bugs and more!



## Remote Operated underwater Vehicle

Our remote operated underwater camera allows us to run live programs underwater at various locations across the district to investigate our underwater world and bring it to life for our residents.



# Part of in person and virtual programming

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- Elmo- Upgraded Macroscope Document camera





# Role of Technology – Hooking the audience

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# Role of Technology – on site adventures!

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Temperature: 14.1°C

Depth: -1.4m

Heading: 3°

Pitch: 8°

