



**LEPS**  
LANGLEY ENVIRONMENTAL  
PARTNERS SOCIETY

# Bringing the outside... Inside!

**Environmental Education**  
K-8 Programs for 2018-2019

# IN-CLASS WORKSHOPS

## Waste Warriors (grades K - 1)

Students learn skills to reduce garbage and become Waste Warriors. Using the 3R's, students recognize recycling symbols and sort materials found in their home and classroom.

*\*This workshop is funded by the Township of Langley and is free for schools in the ToL (limited spaces available).*



## It's a Bugs Life (grades K - 2)

Discover the world of arthropods and the important role these creepy crawly creatures play in our world. Be a bug detective when aquatic bugs are brought to your classroom.

*\*Available April to June.*

## Hazards in My Home (grades 1 - 2)

Students become Hazard Detectives and identify which household hazardous products can be harmful by matching symbols with meanings. Students also discuss how household hazardous products can be harmful outside the home and learn safer choices for their families and the environment.

## Water, Water Everywhere (grade 2)

Students become Water Rangers as they discover where their drinking water comes from! Water Rangers will learn about the water cycle, make a water necklace and a water conservation door hanger.

*\*This workshop is funded by the Township of Langley and is free for schools in the ToL (limited spaces available).*



## It Isn't Easy Being Green (grades K - 4)

Did you know that many amphibians call Langley home? Students learn all about their lifecycles, adaptations, habitats, and which species are at risk. Discover frog friendly behaviour through interactive discussions and fun games.

## It's a Worm's World (grades K - 7)

Discover the amazing world of worms and learn how these skilled recyclers can help reduce classroom waste and provide compost for growing plants. Build a worm hotel and investigate amazing worm anatomy and their important role in creating soil.

*\*This workshop includes 1/2 lb of red wiggler worms and a worm composter (limited spaces available).*

## Plants: Botany Basics (grades 1 - 5)

Discover what makes plants special by learning about plant parts and the role pollinators play in plants.

Students discuss the stages of plant development, play Seed Bingo, and start a plant collection book through outdoor exploration.

*\*This workshop is funded by EcoAction to a limited number of classes.*



## SOS: Save our Species (grades 2 - 5)

What are endangered species and do any call Langley home? Discover the creatures who are at risk within our community. Build a snail hotel, learn what life for a Blue Heron is like, and gain an understanding of biodiversity and conservation science.

*\*This workshop is funded by the Habitat Stewardship Program to a limited number of classes.*

## Salmon Forest (grades K - 4)

Students learn about the unique life cycle of Pacific Salmon. Discover what salmon need to survive and what makes healthy salmon habitat.

Students also experience the obstacles salmon face during their migration through interactive games.



## Trash Avengers (grades 2 - 4)

No one likes garbage. Learn where our garbage goes and explore waste reduction. Compete in a recycling relay. Discover how worms are true recycling heroes.

*\*This workshop is funded by the Township of Langley and is free for schools in the ToL (limited spaces available).*

## Loop Scoop (grades 4 - 6)

Taking a closer look at the "life story" of everyday objects, students discover the true "cost" in terms of environmental impact in the production, distribution and disposal of goods. Students are empowered to consider putting into practice a second set of the 3 R's: Refuse, Repair, Repurpose.

*\*This workshop is funded by the Township of Langley and is free for schools in the ToL (limited spaces available).*

## BOOKING A PROGRAM

P: 604.546.0339

E: [education@leps.bc.ca](mailto:education@leps.bc.ca)

### Get to Know Your H<sub>2</sub>O (grades 5 - 8)

Discover the importance of water as a finite resource and find out where your drinking water comes from. Students discuss the water sources in Langley and use a 3D model to discover the connection between people and water pollution while learning how to minimize their impact.



*\*This workshop is funded by the Township of Langley and is free for schools in the ToL (limited spaces available).*

### Natures Diversity and You! (grades 5 - 8)

What is diversity, and why is it important? Learn the 4 components of habitat – food, water, shelter, and space. Students explore concepts related to food chains and discover ways humans impact ecosystems.

*\*Optional: build a birdhouse, \$7.50 each.*

### Food Isn't Garbage (grades 5 - 8)

Did you know in Metro Vancouver, 80,000 potatoes are thrown out every day? Food waste is a big problem and through this workshop students will learn the importance of food recycling and practical ways to reduce food waste.

*\*This workshop is funded by the Township of Langley and is free for schools in the ToL (limited spaces available).*

### Our Changing Climate (grades 5 - 8)

Students evaluate climate change and discuss how humans impact ecosystems. Students will learn about the Greenhouse Effect and the role of the Carbon Cycle. Classes will be encouraged to adopt climate friendly behaviours.

## TAKING IT OUTSIDE

### Streaming Along (grades 3 - 8)

Students discover the ecology of our local streams through hands-on investigation of a salmon habitat. LEPS staff meet your class in the field to conduct water quality testing, fish identification, and aquatic bug sampling.

*\*Cost is \$125.*

### GREEN Watershed Awareness (grades 5 - 8)

Using an innovative project-based learning model, students increase environmental literacy by addressing local environmental issues. Through year long in-class programming and field work sessions, students learn environmental monitoring skills, team project development and problem solving skills.

*\*This program is funded by GM Canada and is free to Langley schools, limited to 4 classes.*

*\*\*Student project required.*

# LOCAL FOOD EDUCATION

### Nature's Classroom (grades 3 - 8)

A multi-session outdoor learning experience. Fall and Spring dates offered.

As classes plant vegetables at local community gardens, students learn about soil and composting, discover the needs of plants, and become environmental stewards. Throughout the series, they will develop an awareness about environmental issues and social responsibility as they learn about local food security. Food grown and harvested is donated to local food banks to feed those in need.

*\*This program is presented in partnership with Envision Financial*

*\*\*\$10 per student*



### Seed to Plate (grades 5 - 8)

A four session food learning experience.

*\*Participation in series is \$8 per student. Partially funded by Vancity, Metro Vancouver and the United Way of the Lower Mainland.*

### Where do Tomatoes Come From?

*Part 1 of 4*

Where does our food come from, and how does it get onto our dinner plates? Discover how becoming a locavore can lighten the load on our planet.

### Spuds, Sprouts, and Spades

*Part 2 of 4*

Visit a local community garden to plant your own veggies and try your hand at composting. Learn about a plant's lifecycle and discover what plants need to survive.



### Outstanding in Their Field

*Part 3 of 4*

Join us for a tour of a Langley farm to meet an organic farmer who grows the food you find on your dinner plate.

### Let's Eat! A food Celebration

*Part 4 of 4*

Prepare delicious locally grown vegetables and enjoy a meal together as a class. Explore some of the weird and wonderful foods that can be grown in Langley.

## WORKSHOP PRICES

UNLESS NOTED OTHERWISE

Grade	Duration	Cost
Kindergarten	60 minutes	\$75
1-3	75 minutes	\$85
4-8	75 minutes	\$90

# RESOURCES FOR TEACHERS

## ECOKIT EDUCATION PROGRAM

Eleven EcoKit modules provide tools for teaching environmental stewardship topics. Kits include lesson plans, activities, manipulatives, books, tools, and equipment.

### TOPICS INCLUDE:

- Agriculture and Food Security
- Climate Change
- Exploring Langley's Ecosystems
- Invasive Plants and Animals
- Species at Risk
- Streams, Fish, and Aquatic Habitats
- Trees and Plants
- Waste Reduction and Composting
- Water Conservation
- Water, Groundwater, and Watersheds
- Wildlife, Habitats, and Ecosystems

EcoKits can be borrowed free of charge for up to one month. Reserve kits through Langley District Learning Commons at **604.530.5151** or **av@sd35.bc.ca**

## STORM DRAIN MARKING

Paint a drain to save a fish!  
Mark the storm drains around your school with yellow fish. This symbol reminds residents that all storm drains lead to fish habitat. All materials can be borrowed from LEPS at **604.534.0339** or **education@leps.bc.ca**



## COMMUNITY CLEAN UP

Your class or school can conduct a local clean up and borrow clean up materials from the Township of Langley's Adopt-a-Program **604.532.7300** or **adopt@tol.ca**

# BOOKING A PROGRAM

**P: 604.546.0339**

**E: education@leps.bc.ca**

Educational programs are presented by Langley Environmental Partners Society (LEPS).

Programs are open to both private and public schools.

LEPS workshops provide hands-on, interactive experiences that support the current BC Curriculum.

In-Class Workshops are offered on Monday to Friday.

Limited to one class per session; maximum 30 students.

Book early to avoid disappointment.

Schools are encouraged to book 2 or 3 presentations per day.

LEPS educators do not replace the classroom teacher; assistance with classroom management allows for the highest quality programming.

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THANK-YOU TO OUR FUNDERS! SPECIAL ACKNOWLEDGMENT TO BC COMMUNITY GAMING GRANTS AND NSERC PROMOSCIENCE FOR CONTINUED SUPPORT



[www.leps.bc.ca](http://www.leps.bc.ca)



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