

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:

- Climate Change
- Exploring Langley's Ecosystems
- Invasive Plants and Animals
- Species at Risk
- Streams, Fish, and Aquatic Habitats
- Sustainable Agriculture and Food Security
- 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. To avoid disappointment, reserve kits early through School District #35 Media Centre at 604.530.5151

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 Prescribed Learning Outcomes of the BC Ministry of Education's Integrated Resource Packages.

In-Class Workshops are offered on Tuesdays Wednesdays and Thursdays in Langley. 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.

WORKSHOP PRICES

Grade	Duration	Cost
Kindergarten	60 minutes	\$70
1-3	75 minutes	\$80
4-8	75 minutes	\$85

THANK-YOU TO OUR FUNDERS



Bringing the outside... Inside!



Environmental Education Program (K-8)
2015-2016 school year

Langley Environmental Partners Society

IN-CLASS WORKSHOPS

Waste Warriors (grades K - 1)

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

**This workshop is sponsored by the Township of Langley and is free for schools in the Township (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 March 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 us and the environment.



A Day Without Water (grade 2)

Discover the importance of water, learn about the water cycle, and make a water necklace and water conservation door hanger. Students will imagine life without water and discover water conservation tips.

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

It Isn't Easy Being Green (grades K, 2-4, 7)

Did you know that many amphibians call Langley home? Students learn all about amphibian lifecycles, adaptations, habitats, and 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 5-star worm hotel and investigate amazing worm anatomy and their important role in creating soil.

Plants: Botany Basics (grades 1 - 5)

Discover what makes plants special by learning about plant parts and the basic needs of plants. Students discuss the stages of plant development, play Seed to Fruit Bingo, and start a plant collection book through outdoor exploration.

**Outdoor plant collection available March to June.*

SOS: Save our Species (grades 1-7)

What are endangered species and do any call Langley home? Discover the creatures that share our community, build a snail hotel, learn what life for a Blue Heron is like while gaining an understanding of biodiversity and conservation science.

**This workshop is funded by Environment Canada and is free for schools (limited spaced available).*

NEW

Salmon Forest (grades 2 - 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.

**This workshop is funded by Environment Canada and is free for schools (limited spaced available).*

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 Township (limited spaces available).*

Groundwater Gurus (grades 5 - 8)

Discover the importance of water as a finite resource and map where your drinking water comes from. Students review the water cycle and use a 3D model to discover the connection between people and water pollution while learning how to minimize their impact.

**Allow 2 hours for this workshop*

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

Natures Diversity and You! (grades 5 - 8)

What is diversity, and why is it important? Learn the four 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, \$6.50 each. An additional 30 minutes needed for building.*

Waste Wise (grades 5 – 8)

From school to home, students investigate the waste cycle, uncover where waste goes, and discover the environmental impacts. Students learn practical solutions for reducing waste and maximizing recycling.

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



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 Township (limited spaces available).*

NEW

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.

NEW

TAKING IT OUTSIDE

Streaming Along (grades 4 - 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.

**Optional salmon dissection available.*

***Cost \$125 per session.*

Salmon in Your Schoolyard: A School Wide Stewardship Program (grades K - 8)

LEPS staff work with students through stations focusing on salmon and watersheds. Through research, activities, and stewardship projects, students learn how to become better caretakers of their local environment.

**Free to a limited number of schools.*

GM GREEN Watershed Awareness (grades 5 - 8)

Join a nationwide watershed monitoring program where students increase environmental literacy by addressing real world, local environmental issues. Through in-class programming and field work sessions, students learn environmental monitoring skills and problem solving techniques.

NEW

**Participation is limited - 4spaces available.*

***This program is funded by GM Canada and is free to Langley schools*

LOCAL FOOD EDUCATION

Nature's Classroom (grades 3 – 8)

A six session outdoor learning experience.

Classes plant vegetable gardens at Maples Discovery Gardens Co-op; students learn about soil and composting, discover the needs of plants, become environmental stewards, and learn about local food security.



**Participation is limited – 6 spaces available.*

***This program is presented in partnership with Envision Financial and Maples Discovery Gardens Co-op*

**** \$10 per student*

Seed to Plate (grades 5-8)

A four session food learning experience.

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.

**Available March to June.*

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 some 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.

**This workshop series is funded by Vancity and Metro Vancouver and is free to limited number of Langley schools*

BOOKING A PROGRAM

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