



Autumn 2018

Science Centre Programming

**BIG Little Science Centre is open year round:
Tuesday to Saturday, 10am to 4pm**

The Exploration Room is open 10am to 4pm, with over 140 different exhibits to enjoy.
Special shows and activities run at the centre: daily July/August and Saturdays in the school year.
All activities are included with the standard entry fee, unless otherwise stated.
Full activity information is on our website Calendar.

BC Culture Day 2018 at BIG Little Science Centre

Friday September 28, from 4pm to 5pm

Free entry: Good Vibrations Workshop

Music is sound; sound is made of vibrations. Join us to discover how sound is made, how it moves, and how it makes 'good vibrations' to create the music we love. With interactive activities, this workshop is great for people of all ages. Make & take a Queeka Cup to continue the music at home.

Discover and Explore Salmon Month

Saturday September 29 to October 31

Visit BIG Little Science Centre for hands-on salmon science.

Daily:

- ❖ Play the famous **Salmon Scent Game**. This interactive game demonstrates how salmon recognize which waterway to use on the long journey home to spawn. *Can you use your sense of smell to make it all the way home?*
- ❖ Information about salmon and their lives will be out for you to enjoy.
- ❖ See the living juvenile Coho Salmon.
- ❖ Spin the Wheel of Life to see if you make it back to spawn.

Saturdays:

- ❖ **Pond Study, Saturday September 29, 10:30am to 3:30pm**
Use microscopes to discover aquatic life. Join us to see what lives in water to celebrate BC Rivers Day. Find / observe insects that feed salmon to celebrate Discover & Explore Salmon Month.
- ❖ **Make and Take a Salmon, Saturday October 6, 10:00am to 4:00pm**
Create your own Salmon Rubbing or 3-Dimensional Salmon to swim home with you.
- ❖ **Salmon Survival Mystery Lab, Saturday October 13, at 11am and 1:30pm**
Use your scientific powers of deduction to **find out what is killing the salmon of Cold Creek!** You are the scientists hired to solve the mystery. Test different water samples to compare the results and discover the fish killing hazard!
- ❖ **Make and Take a Salmon, Saturday October 20, 10:00am to 4:00pm**
Create your own Salmon Rubbing or 3-Dimensional Salmon to swim home with you.
- ❖ **Gross Salmon Fun for Halloween, Saturday October 27, 10:30am to 3:30pm**
Dress up and enjoy a day of GROSS salmon science. Have fun with chemistry and make 'Salmon Blood' and 'Salmon Guts.' Can you eat a 'Salmon Eyeball'?
Enjoy our family appropriate Halloween decorations, have a treat, and enjoy some Gross Science.

Robotics at BIG Little Science Centre

Make / Program a Light Display using Arduino Programming & Pixel Lights

Saturday October 6, 12:00pm to 4:00pm

This is a hands-on lab on how to build a colour changing light strip; you build and program your own custom RGB LED project. Participants learn how to use both software and hardware in the field of computer science. The participants will learn about wiring and programming in Arduino, allowing them to create a custom program that allows them to control an RGB LED project. **The lab fosters your creative side, and combines it with technology, to create dynamic art in vibrant colored LEDs.** For ages 5 and up to adult; there is something for everyone to learn! Children 12 and under require an adult with them. No previous programming experience necessary. **Pre-registration recommended.** Call 250-554-2572 to save your place. **Included with standard entry fee. Free for members.**

Robotics Club

from Thursday October 18 to Thursday December 22

Participants will design, build and program their own robots using the LEGO NXT Mindstorms system. This is an informal club; no experience necessary. Participants will be provided with their own kit & computer, one per person, for the length of the club session. For those aged 9 and up. \$120 for the 10 weeks. 2:45 to 4:30pm each week. Registration forms are on our website or at BIG Little Science Centre.

Lecture Series at BIG Little Science Centre Sponsored by Kiwanis Club of Kamloops

Lectures start at 7:00pm. Doors open at 6:30pm.
These lectures are for older children and adults.
Entry is by donation. Refreshments will be provided.



History of Space Exploration Vladimir Grebenyuk Wednesday October 24

People always looked up in the sky wondering what was up there and dreamt about reaching space long before they learned how to do it. This talk will cover the fascinating and lesser known pages of the space history as well as attempt to peek into the future of space exploration. Vladimir Grebenyuk has spent more than 20 years in the space industry - working on guidance and navigation systems for space launchers and satellites.

How much is too much. Brain chemistry and gambling. Roxanne L'Esperance Wednesday November 28

Roxanne will highlight what gambling is about, the similarities and differences between substance and process addiction, and of course the brain chemistry involved. This will be very informative, educational and fun. Bring your own questions for discussion afterwards. Roxanne L'Esperance is the Prevention and Community Engagement Provider for the BC Responsible and Problem Gambling Program.

BIG Little Science Centre's Fundraising Dinner & Annual General Meeting

Saturday November 10, at The Dunes At Kamloops. Doors open at 5pm. The AGM will be at 5:30pm, followed by dinner. There will be lots of entertainment, fundraising activities, and fun, along with a fantastic meal. Money raised will go towards continuing cool science at the centre and in the community. Purchase tickets by phone (with ticket pick-up at the Dunes), or in person at the centre, 655 Holt Street in Happyvale School. 250-554-2572

More Saturday Fun at the Centre

Super Static Electricity Show, November 3, at 11:00am and 1:30pm

An interactive, fun show that introduces static electricity and explores how it works. Using van de Graaff generators we make the hair fly. Is it time for your science centre hair-do?

The Amazing Magnetism Show, November 10, at 11:00am and 1:30pm

Explore magnetism and take away some magnetic magic tricks to try out at home!

Fantastic Forces and Motion Show, November 17, at 11:00am and 1:30pm

A force is a push or a pull. Explore the different types of force surrounding us and how they create movement. Be prepared for some surprises & to make things move.

Awesome Air Pressure Show, November 24, at 11:00am and 1:30pm

Air is a force of nature that demands respect; join us for this interactive show to learn why. Prepare for lots of splashes and surprises.

Cool Crystals Lab, December 1, at 11:00am and 1:30pm

Discover how brilliant crystals look close up under a microscope. Discover the differences between them. Watch as you grow silver crystals right before your eyes.

Beautiful Light and Colour Show, December 8, at 11:00am and 1:30pm

Discover: many ways of making light; different types of light; properties of light; and rainbows!

Christmas Science Tricks, December 15, at 11:00am and 1:30pm

Crazy, fun science demonstrations are used to try and explain some Christmas mysteries. How does Santa get down a chimney? Suspend your disbelief and show up for a great show. This show contains some of the science centre's favourite interactive demonstrations.

Super Static Electricity Show, December 22, at 11:00am and 1:30pm

An interactive, fun show that introduces static electricity and explores how it works. Using van de Graaff generators we make the hair fly. Is it time for your science centre hair-do?

Looking for an awesome place for a Birthday Party or Event? Give us a call to discuss the possibilities.

For more information please contact Susan Hammond: susan@blscs.org, or call 250-554-2572.
BIG Little Science Centre reserves the right to substitute alternate programming if needed.

Location: 655 Holt Street, Kamloops, BC, V2B 5G2
Mailing Address: Box 882 Station Main, Kamloops, BC, V2C 5M8
(250) 554-2572 susan@blscs.org www.blscs.org
