

Newsletter 344 BIG Little Science Centre November 2018

BIG Science

EDITOR's E-Mail: gordongore0@gmail.com

ISSN 1920-9932 BIG Science (Print)

ISSN 1920-9940 BIG Science (Online)



Moon Rising over the Mountain: October 22 2018. (7:02 PM)

One never knows exactly where the moon will appear when it rises over Strawberry Hill. It signals its arrival when a small very bright light becomes visible somewhere above the ragged hilltop. That is when I set my camera on top of a monopod and sit down on a chair on my sun deck and start 'shooting' every few seconds until the full disc has risen above the burned-out trees at the top of the hill. Sometimes the silhouette is spectacular, other times not. This time it was particularly awesome.

Gordon Gore Photo

BIGScience

This Newsletter is a publication of **BIG Little Science Centre Society**

Mailing Address Box 882 Station Main Kamloops BC V2C 5M8

Location: 655 Holt Street Kamloops BC V2B 5G2 *Website* <http://blscs.org>

Executive Director: Gord Stewart Phone (250) 554 2572 or (250) 554 BLSC *E-Mail:* gord@blscs.org

Assistant Operator: Susan Hammond Phone (250) 554 2572 or (250) 554 BLSC *E-Mail:* susan@blscs.org

Newsletter Editor: Dr. Gordon R. Gore F-411, 3255 Overlander Drive, Kamloops BC V2B 0A5

Home phone 778 472 2014

EDITOR's E-Mail: gordongore0@gmail.com

Back issues of **BIGScience** can be viewed at <http://blscs.org/newsletters/>

The **BIG Little Science Centre** is open to the public at these times:

Tuesday to Saturday 10:00 AM to 4:00 PM

CLOSED SUNDAYS and HOLIDAYS

Phone: 250 554 2572 *E-mail* Gord@blscs.org or Susan@blscs.org

A family membership is \$60.00/year. An individual membership is \$45.00/year. A family membership consists of five directly related people. (This includes any combination of grandparents, parents and children).

The Main Benefits of Membership:

- **Member ID cards for all members**
- **Free entry to our Exploration Room, events, shows, activities**
- **FREE or discounted admission to MOST Canadian science centres, including Science World and the H.R. MacMillan Space Centre in Vancouver**
- **Discounts for Science and Robotics Camps / Clubs in Kamloops**
- **Voting privileges at the BIG Little Science Centre's Annual General Meeting**

Visit our website blscs.org for more details on the benefits of membership.

Drop-in Visit Information

Day Rates: Adults (16 to 59) \$6 Seniors (60 plus) \$4 Youth (6 to 15 years old) \$3 Family \$15.
Children 5 years old or younger) **Free**

What is a Drop-in Visit?

During drop-in times our hands-on rooms are open for visitors to tour at their leisure. The rooms have approximately 140 stations of hands-on activities to try. We also have an activity or show running Saturdays!

Drop-in Visiting hours

- **Tuesday - Saturday 10:00 - 4:00**
- Check Facebook or twitter for the latest information.
For safety purposes we require that children under age 16 be accompanied by a minimum number of supervising adults:
 - For children 4 years old and under, 1 adult per every 3 children is required.
 - For children 5 years old to 9 years old, 1 adult per every 5 children is required.
 - For children 10 years old to 16 years old, 1 adult per 10 children is required.

The BIG Little Science Centre is Closed Sundays and Holidays.

**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'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

Coding Workshops at the BIG Little Science Centre

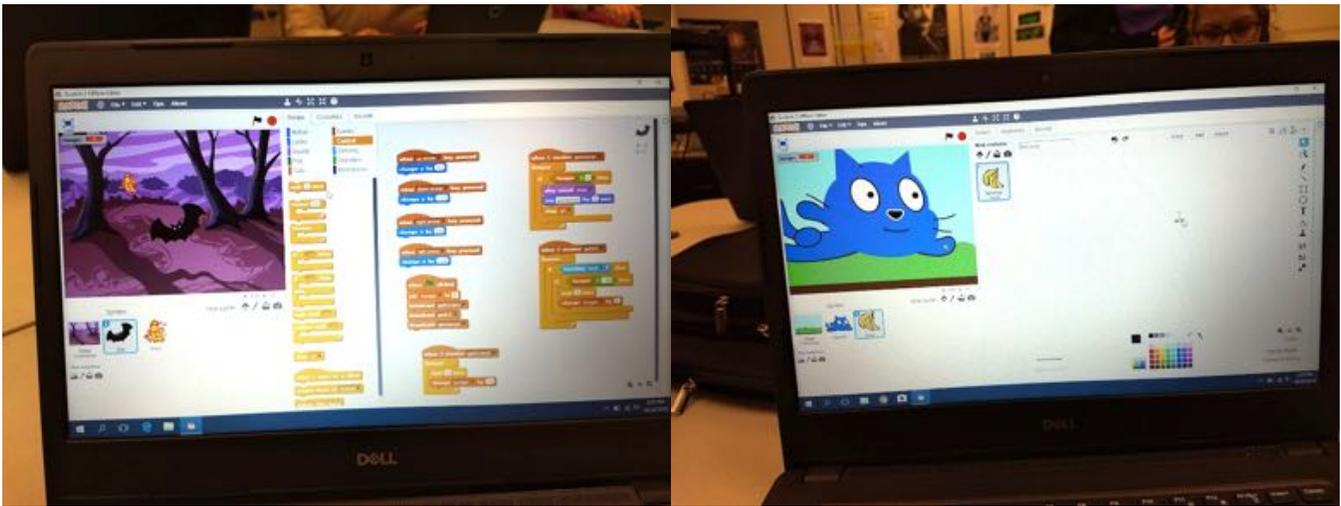
Susan Hammond

BIG Little Science Centre is hosting a series of Coding Workshops over the next two months. **Devin** and **Shelby**, the leaders, are presenting a number of Coding Workshops throughout Kamloops, but especially with children in School District #73. **Kevin O'Neil** and partners, of the **TRU Department of Computer Science**, applied for grant money to create these very useful workshops. The funding sponsors are **CanCode**, **Eureka**, and **Actua**.



Discovering Ozobots was our first workshop Saturday October 20. These mini robots are pre-programmed to follow colour lines. Different colour patterns tell them to do different actions, such as speed up, slow down, dance, spin and more. The children had a wonderful time creating their own routes, using markers and paper.

A second workshop was run in the afternoon, called **Make a Virtual Pet using Scratch Programming**. This versatile drag-and-drop method of coding allowed participants to create a virtual pet on the computer and then program it to do some actions. Participants even were able to create a mini 'game' which they could lose by not feeding their pet.



The Coding Workshops were originally meant for children; however, the parents are finding them very informative as well. Adults are now definitely welcome to participate. So far, there is room in all of the remaining workshops. We recommend calling to pre-register, if possible. 250-554-2572

Upcoming Coding Workshops:

Saturday, November 3rd

9:00am - 10:30am (Ages: 6 and up): Algorithms Board Game

1:00pm - 2:30pm (Ages: 10 and up): Arduino

Saturday, November 17th

9:00am - 10:30am (Ages: 6 and up): Decoder Wheel

1:00pm - 2:30pm (Ages: 10 and up): Game Making in Scratch

Saturday, December 8th

9:00am - 10:30am (Ages: 6 and up): Binary Holiday Ornaments

1:00pm - 2:30pm (Ages: 10 and up): Building a Webpage

Susan Hammond
Assistant Operator, BIG Little Science Centre
250-554-2572
susan@blscs.org

655 Holt Street, Kamloops, BC
www.blscs.org, [Facebook](#), [Twitter](#), [YouTube](#)

Mailing Address: Box 882, Station Main, Kamloops, BC V2C 5M8

GET YOUR
GEEK ON!

BIG Little Science Centre
AGM & Fundraising Dinner

5PM Saturday Nov 10th

\$40 TICKETS AVAILABLE AT THE
BIG LITTLE SCIENCE CENTRE



BIG LITTLE
SCIENCE CENTRE

Explore | Discover | Learn

WWW.BLSCS.ORG/GEEK

FACEBOOK.COM/BIGLittleScienceCentre

Power of Being a Girl



Yuika

The BIG Little Science Centre Travel Booth, with Susan and Yuika, was at the **Power of Being a Girl** program sponsored by the YMCA/YWCA, Wednesday October 17.

Yuika is a work experience student from TRU.

125 girls were involved in a number of different workshops meant to open their eyes to business, creativity, physical wellness and more. They were a curious and excited group.

BIG Little Science Centre Lecture Series

Two more lectures are upcoming. Entry is by donation.

The series is now sponsored by the **Kiwanis Club of Kamloops**.

For teens and adults.

Refreshments provided.

More information is on the website Calendar. (<http://blscs.org>)

Traveling with Disabilities. Krystian Shaw and Linda Shaw will speak to the potential barriers involved with travel for those with physical and mental challenges. They will discuss strategies for successful travel, no matter the type of support that might be needed. This lecture is **November 7, at 5:00pm**, with doors opening at 4:30pm.

Then on November 28, at 7:00pm, with doors opening at 6:30pm, we have:

How much is too much? Brain chemistry and gambling. Roxanne L'Esperance

In this presentation we 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. She has been with the BC Responsible and Problem Gambling Program for over 10 years, presenting to all ages in all locations.



NOVEMBER 7

TRAVELING WITH DISABILITIES

Krystian Shaw and Linda Shaw

BIG Little Science Centre Speaker Series

People with special needs are often faced with barriers when travelling, no matter how far. Tonight we will consider barriers that might present themselves and how to overcome them. Discover strategies for successful travel; no matter the type of support you, or those you travel with, might need.

Be prepared to get excited about everyone being able to go out to explore the world.



**5:00 to
6:00pm**

**For older children
and adults**

**Free Entry
Refreshments**

**At BIG Little
Science Centre**



**Wheelchair
Accessible**

**BIG LITTLE
SCIENCE CENTRE
655 Holt Street
Kamloops**

Blscs.org

250-554-2572