

## Science Lecture Series 2017 at BIG Little Science Centre

Refreshments served. Entry by donation.

Doors open at 6:30pm, lecture begins at 7pm. For teens and adults.

### How Genomics Helps Us Understand the Impacts of Mining

**Lauchlan Fraser and Jonathan Van Hamme**

**Wednesday, November 22**

Have you heard the "G word" — genomics? Want to find out more about it?

Genomics is the use of DNA to identify materials in our environment, and much more.

**Join us for an informative evening to learn about genomics, and how it can help support our environment.**

Hear from Lauchlan Fraser and Jonathan Van Hamme, Thompson Rivers University, who are researching how to apply genomics to assessing the impacts of the tailings dam breach at the Mount Polley Mine and potential approaches to remediation.

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### **Plus, our Canada 150 Black Tube Exhibit just opened this past Saturday to Rave Reviews!**

Educators are encouraged to bring their classes to enjoy this exhibit with a program on the process of science. Children will solve mysteries and create their own.

This continues to Saturday December 9; for public and school groups.

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### **Black Tube Exhibit Saturday November 18 to Saturday December 9**

For the public to try out and explore. Solve the mystery of the Black Tube. Create your own and mystify others.

Using a hands-on freestanding exhibit people will attempt to explain the mystery of how the **Black Tube** works, while discovering the process of science and scientific modelling. Designed and developed by Perimeter Institute in collaboration with the Ontario Science Centre.

This exhibit is travelling to schools and science centres across Canada for Canada 150, stopping in every province and territory,

including the Far North. Innovation 150 is a Canada 150 Signature Initiative, funded in part by the Government of Canada through the

Department of Canadian Heritage, and by the Canadian Association of Science Centres (CASC).

The rest of our amazing fall activities is just below. Thank you for supporting your not-for profit, registered charity, BIG Little Science Centre. Remember Giving Tuesday is next week; we appreciate any support that you might be able to give us. All money goes to maintaining the centre and creating even more awesome programs for you and your families.

Sincerely,  
Susan

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## **Upcoming at BIG Little Science Centre**

### **Saturday November 25: The Amazing Magnetism Show at 11am and 1:30pm**

This Amazing Magnetism Show is an interactive, fun show that explores magnetism and gives you some

magnetic magic tricks to try out at home!

### **Saturday December 2: Creating Circuits Lab, at 11am & 1:30pm**

Using BIG Little Science Centre circuit kits, discover how electricity travels. Make your own circuits to turn

on light bulbs and run motors.

### **Saturday December 9: Beautiful Crystals Lab, at 11am & 1:30pm**

Examine many types of gorgeous crystals under microscopes and discover some surprising properties.

Grow some crystals right before your very eyes!

### **Saturday December 9: Final day “Black Tube” exhibit, 10:00am to 4:00pm**

Visit the ‘Black Tube’ exhibit one final time. One last chance to explore and understand the mysteries

within the tube, while learning about the process of science. Make your own tube to go.

### **Saturday December 16 Christmas Science Tricks at 11am 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 includes some of

the science centre's favourite interactive demos.

**Saturday December 23: Super Static Electricity Show, at 11am & 1:30pm**

An interactive, fun show that introduces static electricity, explores how it works and produces static in

many ways, including using van de Graaff generators. Is it time for your science centre hair-do?

**Sunday December 24 to Monday January 1: Closed for Winter Break**

**Tuesday January 2: BIG Little Science Centre re-opens for 2018, 10am to 4:00pm**