



Green Bricks Education Society Annual Report 2018-2019





A Message from Co-Executive Directors

Diana Klein and Fiona Zawadzki

THANK YOU to our board, membership, clients and funders for supporting Green Bricks Education Society for the past 2018-19 school year. With your support we have been able to engage over 10,000 elementary and secondary school students throughout BC in understanding the importance and benefits of environmental sustainability through the lens of our built environment in their lives, schools communities, and globally.





Green Bricks Secondary Blocks

This school year **2018-19** we delivered to 152 classrooms reaching over 4500 grade 10 students with our live in-class program.

Since 2007, Secondary Blocks has been engaging students to understand the importance and benefits of sustainable building issues in their schools and communities. This workshop leads students, through a series of interactive activities, in investigations around sustainable building design (transportation, energy, water, materials, site and waste). Students discuss policy change and civic action and learn ways in which they can help make our built environment green. Green building continues to be a fast changing, leading edge industry and as understanding and awareness of issues facing our future increase we continue to ensure our program is challenging the students on relevant and current issues such as energy and waste reduction challenges.

Schools were reached in Richmond, Abbotsford, Mission, Coquitlam, Vancouver, Delta, Port Moody, West Vancouver, Maple Ridge, Burnaby and New Westminster.

Testimonials ...from the teachers

“Tons of information, great pacing, local connections, hands-on experimentation and learning, super energy from the presenter”.

“The students really enjoyed building the cars and thinking about how they worked. It was a great and simple way to demonstrate an alternate source of energy”





Green Bricks 4 Water

We had a very great year delivering 251 of the Green Bricks 4 water programs. We reached over 6500 students this school year.

Since 2011, Green Bricks 4 Water has been offered to grade 4 classrooms. This curriculum-connected workshop engages students to understand the importance of water in our lives and how we can manage water sustainably into the future. The water workshop explores the role water plays in our lives; nature's job of recycling water; how climate change is affecting global access to water; and explores solutions for sustaining future access to water. Activities include "Sink or Swim?" (water trivia game), "Dirty Water" (explore access to clean water), and "Tap Dance" (exploring BC's pristine tap water).

We continue to run an **online water audit competition** for grade 4 students to encourage action and assess the impact of our program. The students are challenged to track their water use in the bathroom demonstrating that they are implementing conservation strategies learned from the Green Bricks presentation and subsequently share these success and strategies with their families. To encourage participation, we have a challenge that for every student who completes this audit, his or her class gets an entry into our "SAVE WATER, EAT PIZZA" competition. To see the audit (and take it yourselves), visit www.greenbricks.ca/water



Testimonials:

"They really enjoyed it. I did take photos. Lots of positive comments by students after the presentation, when we reflected on the day".

"I was very impressed with the amount of local content that the presenter brought into the presentation. It made it extremely relevant and tangible for the kids. She did a really fabulous job in every way!"





Green Bricks Waste Not 5

This interactive and curriculum-connected workshop was developed in the Fall 2014 to engage grade 5 students to understand the issues around garbage in our region. It was designed to raise student awareness on issues such as Metro Vancouver's Zero Waste Challenge and how we can re-frame garbage to become a future resource. Our workshop topics include the 3Rs, in particular how important it is to reduce and re-use our resources, including the 'how to' for recycling and composting, and solutions for sustainable waste management in our built environment. We focused on helping the young residents (and in turn helping their parents) learn what can and cannot go in the municipal organics program, changes to recycling that affect BC, and to explore waste issues in our built environment.





Green Collar Futures

What do YOU want to BE when you finish school?

Our 6th Annual Green Collar Career Conference called Futures was held at the Hilton Metrotown on Saturday March 2nd, 2019. This was offered free of charge to students in grades 10-12 and students from all across the Lower Mainland attended.

The "green economy" is changing the face of the workplace in BC and around the world. This day is dedicated to students in grades 10 to 12 to learn about exciting and endless career opportunities. **Futures** allows youth to interact with career mentors from various sustainability related careers who have excelled in and are passionate about their green careers.



This interactive career workshop was offered free of charge to young people in grade 10-12. Over 150 students had the opportunity to:

- Meet and interact with amazing and successful people who shared their sustainability career paths in 5 breakout, roundtable sessions. 30 career mentors shared their career journeys, detailing education requirements, job prospects and salary expectations.
- Learn about emerging sustainability career opportunities in BC and Internationally;
- Find out what it takes to reach their goals; and,
- Practice networking skills.





Other Programs and Events

Talking Water for Adult ESL schools

Again this year offered in Abbotsford/Mission is the program called Talking Water for Adult ESL students. This program has a focus on helping our new residents learn how the Abbotsford/Mission Water and Sewer Services manages our water supply and what we can do as residents to appreciate and conserve this valuable resource. Again the program has been really well received and we have had positive feedback from both students and teachers.

Water Week Day Event in Abbotsford



On May 8th, 2019 Green Bricks delivered, in partnership with Abbotsford and Mission Water and Sewer Services, a water week day “Water Heater” for grade 4 students. We recruited student volunteers from Abbotsford Senior Secondary School and Abbotsford Traditional who worked with us leading the grade 4 students in stations to learn about water in the regions. The students rotated through 7 stations that included crafts, trivia, life size board game, water filter demonstration, walk for water game, Watershed game, and a tour of the Abbotsford Centre

where rain water is collected for the ice surface in the rink.

Aqualibrium Competition

This year we ran multiple locations of the Aqualibrium competition, as part of Science Odyssey week and in Abbotsford and Mission for water week.

Students learnt about water supply, what civil engineers do and the importance of protecting our water resources. The aim of the competition was to distribute three litres of water equally between three reservoirs (containers) placed randomly on a grid of 16 points. The students deliberated and calculated as they built their water systems, which were then tested to see which group had the best solution!





THANK YOU

With your support we were able to reach over 10,000 students...



Natural Sciences and Engineering
Research Council of Canada

Conseil de recherches en sciences
naturelles et en génie du Canada

Canada

BC Community Gaming "We acknowledge the financial assistance of the Province of British Columbia"

Hamber Foundation

BC Building Science

Kane Consulting Partnership

Retread Solutions Ltd

Pinchin Ltd

Read Jones Christoffersen

Glotman Simpson

Tatton Development Holdings Corp

Cassels Brock Lawyers

All of our Green Bricks Members who donated to the Futures Conference 2018