



SD42 Bimonthly Sustainability and Energy Management Newsletter

An initiative by the Energy and Environmental Sustainability division of the SD42 Facilities Department

ISSUE NO. 2 – SEPTEMBER/OCTOBER 2024

About Us

Sustainability is one of the largest movements of our time and students continue to have a key role to play. The Facilities Department at Maple Ridge – Pitt Meadows School District works with BC Hydro, FortisBC, and CleanBC to make schools more efficient by reducing our carbon footprint and operating costs.

This newsletter is designed to share the district's sustainability initiatives with the community. Throughout the district, students and staff are taking action to make our schools, our community, and our world more sustainable.

We want to know what you are doing and how you are doing it. We are always looking for more stories and we encourage students to write for this new bimonthly newsletter.

Calendar of Events

OCTOBER

Tree Plantation Drive at Alexander Robinson Elementary (October 22)

The City of Maple Ridge conducted a tree plantation drive at Alexander Robinson Elementary to promote education about trees and their importance in our community.

NOVEMBER

Waste Audits in Schools

Based on waste diversion rates, the district will be doing a waste audit at five schools to promote education among students and staff about best waste management practices.

DECEMBER

Winter Holiday Shutdown Campaign

Participate in our district's Winter Shutdown Campaign. We will be running a competition to shut down our schools for the winter break.

Welcome back, SD42!



The SD42 Facilities Department would like to welcome back all students!

As we embark on a new school year, we are looking forward to working with schools and administrators to promote sustainability throughout the district.

Sustainability contact at each school

The facilities department is looking for a designated sustainability contact at each school to help share stories about sustainability efforts and advocate for related initiatives across the district.

Administrators are invited to nominate themselves, a teacher, or a staff member who is interested in collaborating with the energy management and sustainability manager.

Please submit your nomination on our form by [clicking here](#).

If you have any questions, please contact Ashish Dev, the energy and environmental sustainability manager (ashish_dev@sd42.ca).

HVAC Controls Training for Trades team focused on energy conservation

SD42 partnered with two service providers to deliver training sessions on the basics of HVAC controls and identifying opportunities for energy savings and optimization. The training took place over four days (July 22, 23, 29, and 31).

The online training sessions were funded by BC Hydro and FortisBC.

To maximize the impact of this training, we invited other districts to participate. SD36 (Surrey), SD38 (Richmond), SD41 (Burnaby), and SD43 (Coquitlam) also took part. Thirty participants from various school districts attended the online training session.

Following the training session, attendees were surveyed on their level of knowledge satisfaction.



HVAC CONTROLS TRAINING

July 22nd, 23rd, 29th & 30th

Presenters

WEBIR

Reliable
CONTROLS

AINSWORTH

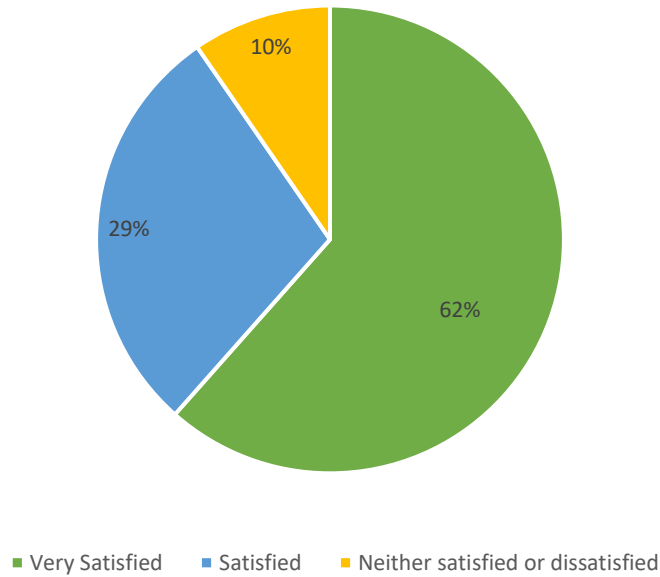
Event Sponsored by

School District 42
Learning. Doing. Growing.

FORTIS BC

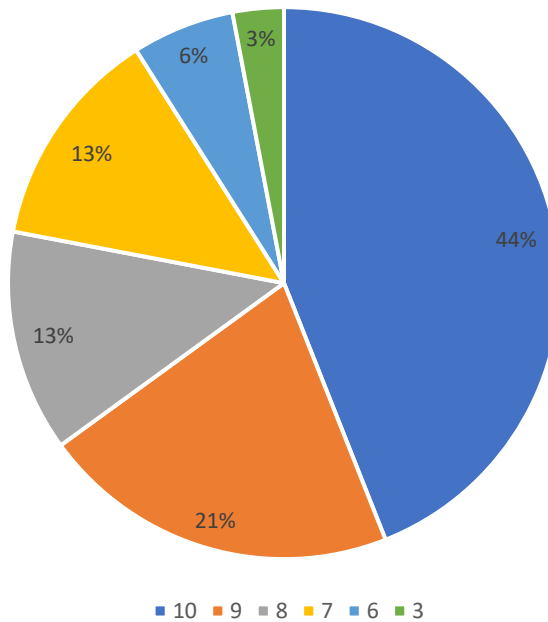
BC Hydro
Power smart

Knowledge Satisfaction



The event was a great success according to the feedback gathered from the survey. As shown in the chart above, out of 32 respondents, 62% of the attendees were “very satisfied” with the training and felt confident in making energy-saving changes to their organizations.

Rating of Trainers



The trainers received an overall satisfaction rating of 8.75.

BCIT Automotive's partnership with SD42

The BCIT School of Transportation is driving innovation in automotive education through partnership programs. The partnership between BCIT and School District 42 offers students at Westview Secondary in Maple Ridge a dual-enrolment opportunity. Over 30 weeks, students learn to maintain and repair vehicles, as well as diagnose and troubleshoot mechanical and electrical systems. Graduates of this program receive credit for Level 1 Apprentice training and 450 hours towards their Red Seal certification. [Click here to learn more about the auto service technician program.](#)

The Tesla START program is an industry-leading initiative designed to address the growing demand for skilled electric vehicle (EV) technicians. In collaboration with Tesla, BCIT offers students a comprehensive, four-year apprenticeship focused on Tesla's advanced vehicle systems. Participants receive accredited technical training, blending classroom theory with hands-on labs and real-world experience at Tesla Service Centres. The curriculum covers everything from high-voltage safety to advanced diagnostic systems, preparing students to become Red Seal Certified Automotive Service Technicians. Tesla hires students into the program and sends the students to BCIT for their training. [Click here to learn more about the BCIT Tesla START program.](#)

Together, these programs reflect BCIT's commitment to providing students with cutting-edge, industry-relevant skills. Whether through foundational training in high school or specialized EV education with Tesla, BCIT is equipping future automotive technicians with the knowledge and expertise needed to excel in a rapidly evolving industry.

This article has been contributed by Richard Haire, Business Development and Industry Services Manager, School of Transportation, British Columbia Institute of Technology.



Accelerating Climate Change Education (CCE) in Teacher Education

The climate crisis is intensifying, and all levels of education have critical roles to play in leading the cultural shift to equitable, just, and sustainable forms of living on Earth. The Ministry of Environment and Climate Change Strategy supports Climate Change Education (CCE) in pre-service and in-service teacher education across Canada through consultations, webinars, online courses, grants, and resources.

In 2024/25, the [Accelerating Climate Change Education \(CCE\) in Teacher Education Project](#) continues to bring educators opportunities for professional learning, including an e-course on CCE, and two webinar series. These are fantastic opportunities for teachers in our district to build their CCE knowledge and skills.

Building on last year's success, e-courses are being offered on Climate Change Education (CCE) in K-8 Education. Join K-8 teachers and teacher candidates from across Canada to learn more about integrating CCE into your curriculum. Learn about topics like climate justice, transformative pedagogies, Indigenous ways of knowing, socio-emotional learning, and age-appropriate climate action. This 8-week e-course runs synchronously online on **Wednesdays from 4:00-5:30 pm, beginning on October 23rd**. Click [here](#) to learn more and to register.

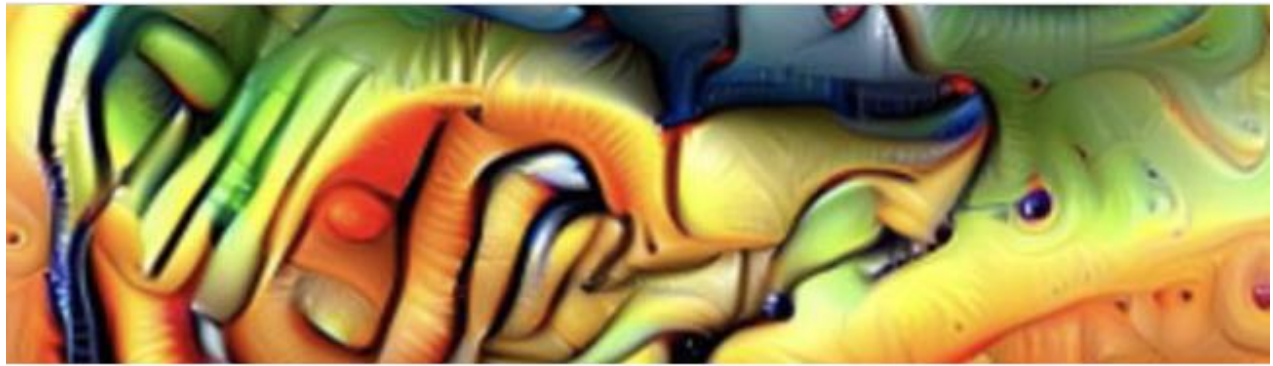
The following two webinar series are being offered for free:

[Teacher Education Series:](#)

This webinar series focuses on meeting the needs of those working in pre-service Teacher Education programs (e.g. teacher educators/faculty members, deans, and graduate students). However, teachers are welcome to attend as well! Recordings from previous webinars featuring Canadian scholars and researchers who are leading CCE in their teacher education programs are available on demand.

[K-12 Education Series:](#)

This webinar series is aimed at meeting the learning needs of pre-service and in-service teachers by focusing on issues and practices related to CCE in K-12 education. Recordings from [previous webinars](#) are available on demand.



ACCELERATING

CLIMATE CHANGE EDUCATION

in Elementary Schools

Interested in bringing Climate Change Education into your elementary classroom?

Join K-8 teachers from across Canada to learn more about integrating Climate Change Education (CCE) into your curriculum. This FREE online course offers inspiring learning led by teachers and CCE experts to plan a path into CCE for your students. Grow your knowledge and practice of CCE while working towards a CCE certificate, and potential funding for CCE projects in your classroom or school.

Meet for 8 sessions, 90 minutes weekly, beginning in late October 2024. Learn alongside colleagues on topics such as socio-emotional learning, Indigenous ways of knowing, climate justice, hope and climate action. This e-course will be offered in English with the option of French translation using Zoom.

[Info & Questions](#)
[Register in advance](#)



ACCELERATE / ACCELERER

CLIMATE CHANGE EDUCATION
IN CANADIAN TEACHER EDUCATION

L'ÉDUCATION AUX CHANGEMENTS
CLIMATIQUES DANS LA FORMATION
DES ENSEIGNEMENTS AU CANADA

<https://accelerating-cce.ca/>



Tree plantation drive at Alexander Robinson Elementary

The City of Maple Ridge has planted 15 trees at Alexander Robinson Elementary, with the help of students. This was a great opportunity for students to learn about the importance of planting trees and the benefits to the community.



The event had a great turnout, with about 100 students participating from different classes and grades. I would like to thank principal Mr. Ramin Mehrassa, the teachers, and all the students who made this drive a great success.



“SAY TREES”

The trees were planted on October 22 and included the following species:

Species	<i>Quercus frainetto</i>	<i>Catalpa speciosa</i>	<i>Sophora Japonica</i> 'Millstone'	<i>Ulmus davidiana var. japonica</i> 'Discovery'
Common Name	Hungarian Oak	Northern catalpa, hardy catalpa, western catalpa, cigar tree, catawba	Japanese pagoda tree, Scholar tree	Japanese Elm
Height	30-35m	15-25m	13-15m	13-15m
Spread	20m	10-12m	10-12m	10-12m
Native Range	Balkans	Midwestern USA	China	Cultivated
Hardiness Zone	5-9 (Maple Ridge is 8b)	4-8	5	3
Sun	Full sun	Full sun or part shade	Full sun	Full sun
Image				

What is going on at your school?

If you or your school is doing something that will help sustain our environment, we want to hear about it and share it in our newsletter. Please contact:

- Ashish Dev, SD42 Energy and Environmental Sustainability Manager. ashish_dev@sd42.ca