<THE FUTURE IS CODE />

Annual Report 2018

CANADA LEARNING CODE

METHODOLOGY
2018

Our annual report shares our work for the time period between January 1, 2018 to December 31, 2018.

This year, we partnered with Ryerson University's Diversity Institute to help us better understand our impact on participants (learners, mentors, instructors, parents, community leaders) through evaluation surveys.

The data and findings presented in this annual report were gathered from:

- Participation data collected from our learners, mentors and instructors pre- and post-learning experiences via Eventbrite and Google forms and includes demographic, postal code as well feedback survey response data.
- Digital survey designed and administered by Ryerson's Diversity Institute. The survey was made available online through the Qualtrics platform. A notice to complete the survey was sent by Canada Learning Code staff over email to 6,644 participants from June 18th to July 5th, 2019. As an incentive, participants were given an opportunity to enter into a random draw to win a prize pack worth approximately $820. A total of 675 participants (10.15% response rate) completed the survey during this period.
- TeacherCon Digital Feedback Survey designed and administered by Canada Learning Code. The survey was sent to all TeacherCon participants who attended a TeacherCon during the nationwide conference tour between June 2018 and February 2019.
- Canada Learning Code Week Teacher Kit Survey designed and administered by Canada Learning Code. The survey was an opportunity for educators to register their lessons during the week of December 3-10, 2018. As an incentive, participants were sent resources and materials to help them prepare for their lessons.

All financial data presented is from our 2018 financial statements audited by MNP, LLP for the period January 1, 2018 to December 31, 2018. View our full audited financial statements: https://bit.ly/2mbLOIZ

Canada Learning Code is a federally registered national charity as of January 15, 2018. Charitable registration number: 834394108RR0001.

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Dedication

This annual report is dedicated in loving memory of Danielle Moore.

Danielle Moore was a member of our Code Mobile Squad in Winnipeg. Danielle sadly lost her life on the Ethiopian Air Flight 302 that claimed the lives of 157 people.

May we continue to plant the seeds of positive change that she so beautifully dedicated her life to doing.

A Note from Our Board Chair

Each year, the team at Canada Learning Code makes bold leaps towards a big vision for Canada in 2027 — one in which all people have the knowledge and confidence to harness the power of technology to achieve economic and personal fulfillment.

Canada Learning Code and its partners recognize the transformational power that equipping people with skills and confidence to build with technology can have to strengthen our workforce, future proof our youth, foster strong communities and help our country thrive.

Last year, as a newly recognized charitable organization, Canada Learning Code expanded its footprint into more than 250 communities. From Dorchestor to Iqaluit to Rivière-Des-Prairies to Summerside, the team formed new partnerships, inspired students and empowered educators in cities and towns coast to coast, in every province and territory. Driven by the expansion of the Code Mobile fleet, the team created over 200,000 meaningful technology learning experiences with a focus on reaching those learners most underrepresented in technology.

As a Board, we're proud to support the work of the team to empower everyone in Canada with the skills and confidence to be builders and not just consumers of technology.

Breanna Hughes
Chair, Board of Directors

OUR BOARD OF DIRECTORS

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A Note From Our CEO

9 in 10 people in Canada think that it is important to learn Computer Science.[1] Yet, despite this broad support, not everyone in Canada has an opportunity to do so, *yet*. This year, we set out to change this.

At Canada Learning Code, we believe it is critical that everyone in Canada has an opportunity to learn foundational Computer Science skills — coding, computational thinking, big data, design and the social impact of technology — to leverage the power of technology for personal or professional fulfillment. Providing opportunities to learn for groups who are often underrepresented in tech — namely women, visible minorities, Indigenous people, and people living in rural and remote areas — is especially critical if we want technology to better reflect the needs of everyone. With the support of CanCode and countless partners, we focused last year on growing our reach to support these communities of focus.

We expanded our Code Mobile fleet from one vehicle to fourteen, all travelling the country visiting classrooms and community centres offering beginner-friendly coding workshops. We launched TeacherCons — multi-day conferences for educators that helped more than 750 teachers introduce coding into their classroom as a result. We launched an incredible partnership with Boys and Girls Club of Canada designing an 8-week afterschool program and training group leaders across Canada to deliver the experience. We created and ran a 12-week program for adults in Long Lake 58 First Nation providing basic digital literacy and entrepreneurial tech skills to the community; we'll be expanding this program nationwide in 2019. And, we celebrated our largest year yet with our second annual Canada Learning Code Week — exposing 80,000 learners to virtual reality, artificial intelligence and coding through basketball and more!

Expanding our reach to serve more people in Canada was a huge source of growth, learning and pride for us last year. But, we know that focusing on extracurricular outreach is only one part of providing equitable access to Computer Science education.

As we travelled the country delivering programming, we also met with government leaders, teachers, students and parents and partnered with local community groups. We discovered a huge opportunity to help bring together all of these groups on a shared set of approaches for how Computer Science could be taught across the country. To that end, we kicked off one of our most ambitious projects yet: the development of a Pan-Canadian K-12 Computer Science Framework. A first of its kind in Canada, we hope the Framework will provide valuable guideposts for teaching Computer Science from Kindergarten to Grade 12 from coast to coast.

In a year, we've been able to accomplish so much because of the incredible support of our funders, our partners and our team coast-to-coast. We know, though, that our work is never done. We know there are still many people in Canada who could benefit from our work and we're committed to continuing to build relationships, design experiences and deliver our programs in communities across Canada that are most underrepresented in tech. It will be through the teamwork and collaboration with new and longtime partners that we'll continue to put in the work every day to make our vision for Canada a reality.

Code time, go time.

Melissa Sariffodeen

Co-Founder & CEO

[1] Research conducted by Abacus Data from interviews with 2,200 adults in Canada from June 1 to 6, 2018

Our Vision & Mission

We envision a prosperous Canada in which all people have the knowledge and confidence to harness the power of technology to achieve economic and personal fulfillment.

Canada Learning Code designs, delivers, and partners on technology education programs for people in Canada. Special emphasis is placed on reaching communities who are underrepresented in the tech sector.

Our Community

From day one, Canada Learning Code has been by the community, for the community. And we believe that has made all the difference.

Our community-driven approach has been the primary driver of our exponential growth throughout Canada in the last several years and we now offer our programs in over 360 communities across the country! This year, we're thrilled to have over 200,000 attendees across all of our learning experiences.

In 2018, we had over 4,000 volunteers contribute to our work. And, 72.8% of our volunteer community agree that volunteering has had a positive impact on their career. 80.8% agreed that they felt supported by Canada Learning Code as mentors/instructors.

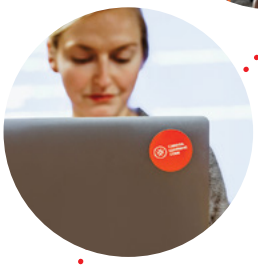
Source: Digital survey administered by Ryerson's Diversity Institute

Our Chapters

With almost 30 active Chapters across Canada, we delivered incredible experiences that truly impacted our communities. Our Chapters also hit some great milestones this past year. Here are a few of our favourites:

Our Edmonton Chapter partnered to launch the inaugural AGENTS (Alberta Girls Engineering & Technology Summit)! Teens had the opportunity to meet and be mentored by some of the most impressive Albertan women in STEM: CEOs, Astrophysicists, Computer Engineers, Graphic Designers, Researchers and Analysts.

Our Teachers Learning Code program was delivered by our Chapters for the first time! Educators now have access to our Teachers Learning Code experiences in: Halifax, Winnipeg, Edmonton, Calgary, Vancouver, Fredericton, Markham, Montreal, Sudbury and Victoria.



We launched a brand new 12-week program in Long Lake 58. This program helped advance learners' digital skills, taught learners to build digital tools and helped to increase their confidence with technology. Two learners went on to work at the local internet cafe, Lake 58 Internet Cafe and they have plans to teach the skills they've learned!

Many of our Chapters started delivering learning experiences for teens. Under our Teens Learning Code program, teens participated in workshops about HTML & CSS, Processing JS and Javascript browser extensions in several of our Chapters.

We launched 4 new Chapters in: Mississauga, South Shore Montreal, Durham and Belleville!

From Our Learners

"Brought my friend to a workshop yesterday! He's already talking about a career change and asking me what workshops he can take next."

"I've seen regular mentors evolving throughout the months! They get better at Scratch (let's face it, most HTML/CSS mentors come in knowing what it is, but very few mentors come with a good Scratch base!) and at talking with kids and mentoring in general. We're building a small family, and this is awesome."

"This program gave me a quick overview on so many topics I had been dying to know more about and talk about with more confidence."

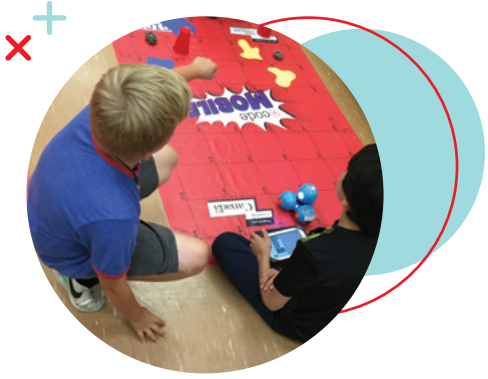
"Wonderful turn out tonight for Canada Learning Code's HTML and CSS workshop. Tonight, we discussed what HTML is and learned how to build the structure of a website. As always, it's a pleasure to mentor. Everyone can code!"

Our Code Mobiles

Thanks to a generous investment from the federal government's CanCode initiative, in 2018 we've expanded this proven model for technology education outreach by establishing a permanent fleet of vans that operate year-round across the country, reaching over 100,000 learners in 2018.

Learn more and request a visit at codemobile.ca.

- Calgary
- Halifax
- Kelowna
- Moncton
- Montréal
- Peterborough
- Québec City
- Saskatoon
- Sudbury
- Toronto
- Vancouver
- Waterloo
- Winnipeg



With our newly launched fleet of 14 Code Mobiles, we were able to expand our total reach of learning experiences exponentially — by almost 10x!
We visited new communities of focus, remote regions and community events.

Our Montréal Code Mobile team attended the third annual Code on the Hill! Students from a local elementary school gathered on Parliament grounds to explore technology from organizations championing the coding education space.

On May 31st, Toronto launched its first Digital Literacy Day! The City of Toronto and the Toronto Public Library collaborated with a diverse spectrum of more than 35 local companies and organizations to host and produce more than 110 free events for all ages across the city. We participated by taking over the Thomson Reuter space to teach students how to build their own escape games using Scratch!

Les Promenades Beauport, a shopping mall in Québec City, opened their doors to welcome the Code Mobile and the Québec Chapter inside. Our teams collaborated to promote Canada Learning Code's initiatives and shared upcoming workshops.

Our Code Mobile traveled to more remote areas including Yellowknife, Iqaluit, Winnipeg, Peterborough and Waterloo!

"The hallways were bustling with kids and on my way back to the room we were presenting in, a couple of little kids noticed my name tag and were so excited that they recognized a name reflected in their own families and friendship circles."

"Here in KW we have a sizable population of Mennonites and it makes for a beautiful juxtaposition having two Mennonite girls learning Code!"

"Got to revisit a school we visited last year. The current grade 5's all took part last year as grade 4's. So amazing to see them recognize basic coding fundamentals!"

"The more the Code Mobile goes into schools, the more we bump into some of the learners we first met through some of our summer camp programming. Today, there was a learner who just looked so familiar to me, and then we quickly realized that he had come ready for our in-school workshop wearing his code squad sticker that he got from the summer camp workshops we did more than a month ago. He was so proud!"

"My favourite thing about teaching in schools with the Code Mobile so far has been when it comes time for the kids to go out for recess and they all go "Nooooo, I wanna keep coding!"

Our Reach

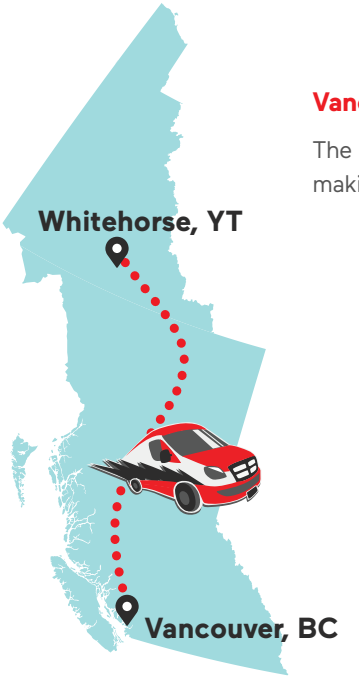
We've had an exciting year — our reach has skyrocketed to new heights. In 2018, we were able to provide meaningful learning experiences in remote areas and to learners who may not otherwise have had the chance to learn digital skills. Here are some of our journeys.

200,000+
learning experiences in 2018

280,000+
learning experiences since 2011

360+ communities where we are actively running in-person learning experiences

44% of learners have joined us for repeat experiences across all programs since 2011



Vancouver > Whitehorse

The Kelowna and Vancouver Code Mobile teams traveled from British Columbia to Yukon making many stops along the way including: Fort St John, Haines Junction and Surrey.

Vancouver > Whitehorse Magic Moments

"Last fall, the Vancouver Area Code Mobile team had the opportunity to embark on what many would consider a once in a lifetime adventure. Over the course of two weeks, we drove from Vancouver to Whitehorse and back again, hosting coding workshops along the way. Our goal is to ensure that every community who wants the Code Mobile to visit has that opportunity![...]"

— Carling Watson, Vancouver Code Mobile

Calgary > NWT Magic Moments

"The Calgary Code Mobile team was fortunate to have the opportunity to travel to the Northwest Territories last September. The trip took place over two weeks and we were able to visit a variety of communities while there. We had workshops at schools and organizations in Yellowknife, Fort Smith and Hay River. We had a particularly amazing day at the Chief Sunrise Education Centre on the K'atłodeeche First Nation Reserve. The teachers at this school were extremely supportive of our programming! The Code Mobile allowed us to visit communities that don't typically have the access to technology like most larger cities. All of the teachers were so grateful for the opportunity to learn more about coding and expose their students to something new!"

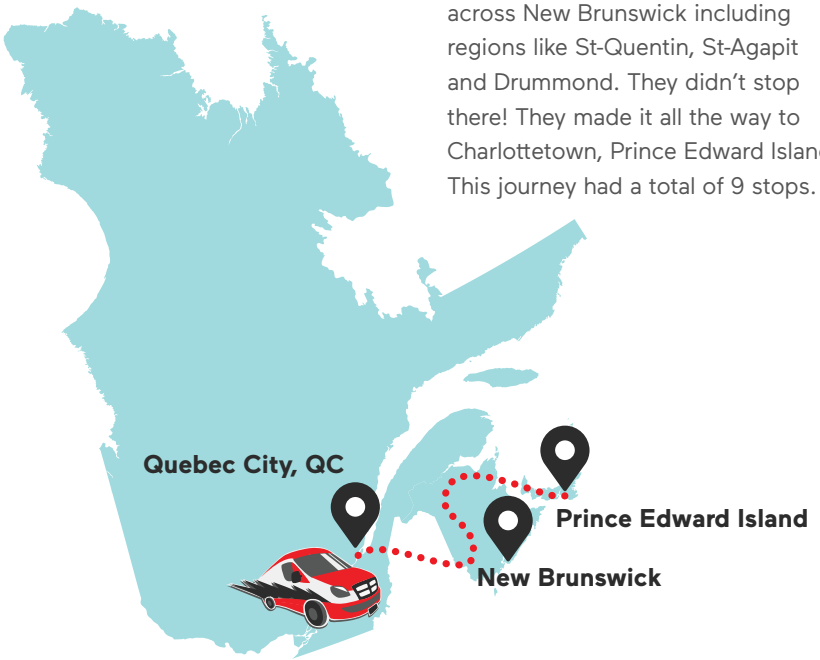
— Kirby Lidster, Calgary Code Mobile

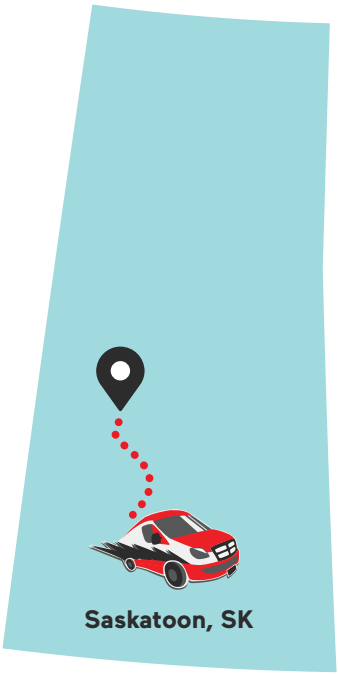
Iqaluit Magic Moments

Our Winnipeg team has had the opportunity of travelling to Nunavut five times (and counting!) in the past year. We've taught countless workshops, supported the Pinnguaq Makerspace staff's development, swapped curriculum, made lasting connections, and been welcomed into the community. Whether we're making games with high school students, encouraging design thinking and problem solving with robots, training students to be mentors to their younger counterparts, or sharing ideas with our colleagues, being able to work in and with the community and incorporate Northern perspectives into our work is a privilege.

Québec to NB and PEI

The Québec Code Mobile traveled across New Brunswick including regions like St-Quentin, St-Agapit and Drummond. They didn't stop there! They made it all the way to Charlottetown, Prince Edward Island! This journey had a total of 9 stops.





Moncton

Our Moncton Code Mobile traveled to St. John's, Newfoundland. They made plenty of stops along the way including the Atlantic Balloon Fiesta, a visit with the Salisbury Boys and Girls Club and TeacherCon in St. John's!

Saskatoon Magic Moments

"We're in the middle of a 3 part series with an organization that serves immigrants and refugees. The youth were extremely quiet during the whole 2 hour workshop, and it was hard to tell if they were really engaged, and if there was perhaps a language barrier. Workshop number 2 rolled around [...] they were much more responsive and applying lots of things they learned in workshop 1 (we remembered how to do the timer variable!). One girl even had gone home and tried re-doing the Escape game from memory! [...]"

— Raea Gooding, Saskatoon Code Mobile

Our Theory of Change

A vision as bold as the one we've set for ourselves requires thoughtful, consistent action in service of that vision. It requires careful program planning, and rigorous measurement along the way to ensure we're on track towards our exciting, audacious goals.

At Canada Learning Code, we've developed a Theory of Change to help explain the process of change we'd like to see by outlining linkages between our initiatives and outcomes. But it's about more than just Canada Learning Code.

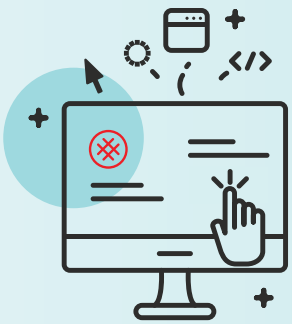
Theory of Change
noun • abbreviation ToC

A Theory of Change is a modelling tool used by social-good organizations to:

1. Identify the positive change they want to make in the world;
2. Identify the conditions necessary to bring about that change;
3. And map the journey towards the ultimate goal of a better world.

Because of our community-driven approach, our Theory of Change (and all of its assumptions!) illustrate all of the different pathways that might lead to the change we hope to see in Canada.

Built on a set of assumptions — core beliefs about the world that inform the organization's work, the model identifies the 'building blocks' of change, explaining how one positive outcome can lead to another.

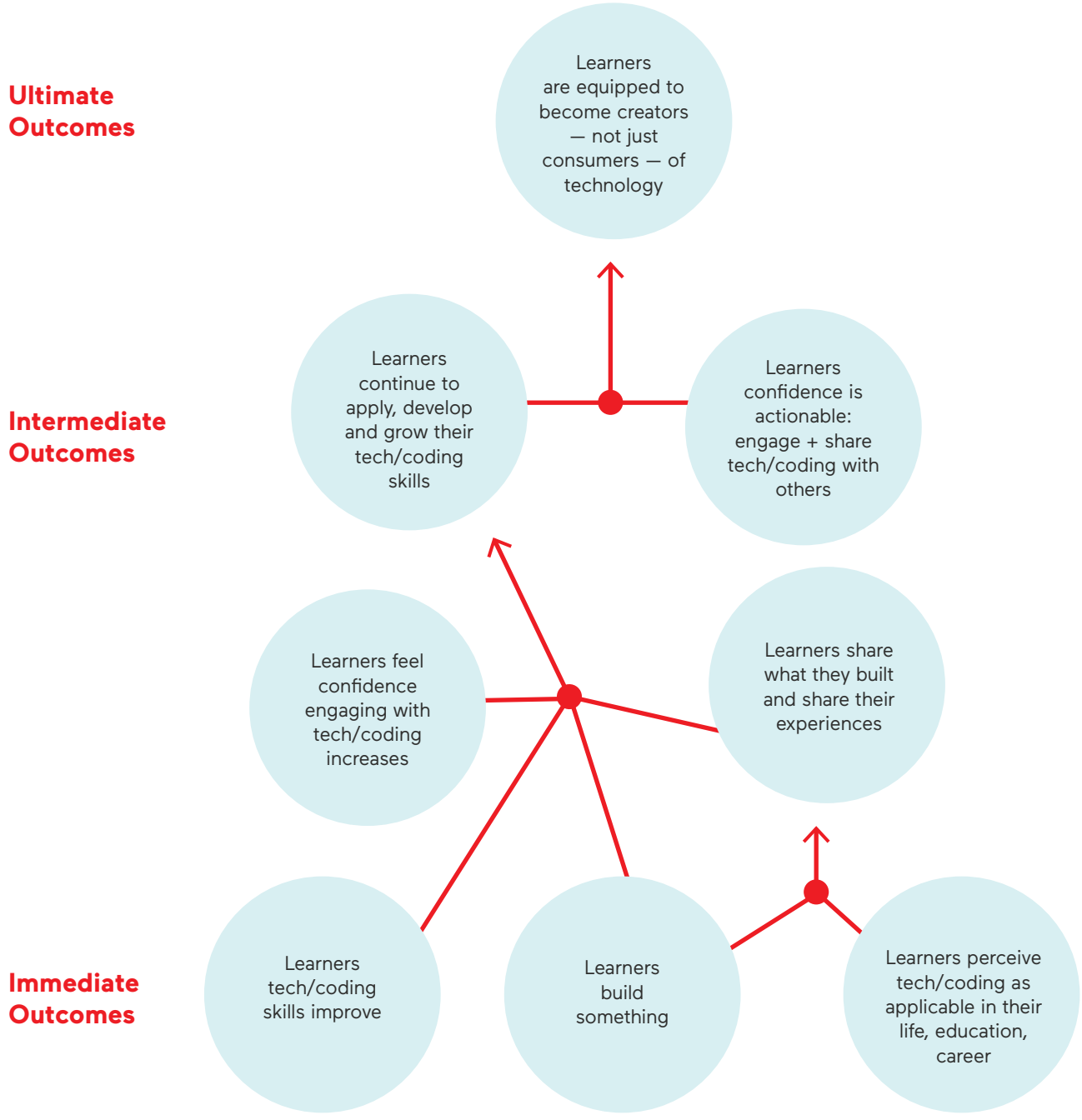


Project-Based

Social & Collaborative

In-Person

Theory of Change



CANADA
LEARNING
CODE

Our Impact

At Canada Learning Code, we have five distinct programs offering different learning experiences in each.

On the following pages, we highlight these programs, their offerings and how they're shaping the lives of their participants. We also include indicators which demonstrate the degree of success that our learning experiences have had in promoting our specified Theory of Change immediate and intermediate outcomes.

ladies learning code

girls learning code

kids learning code

teens learning code

teachers learning code

Ladies Learning Code

Workshops, courses and meetup experiences for adults of all ages and genders but designed to be a space for women.

Our Ladies Learning Code program offers female-identified and male-identified, trans, and non-binary adults hands-on, project-based learning experiences that are designed to give beginners the skills and confidence they need to become digital creators. Ladies Learning Code programs tackle the tech gender gap one positive, empowering learning experience at a time.

Our workshops, courses and meetups are open to adults of all ages and genders but are designed to be a space where women explicitly are welcome to learn. Workshops cover everything from introductory HTML & CSS, to WordPress, Python, Ruby, artificial intelligence, web design and more. They are especially popular and successful because of our high ratio of learners to mentors at every experience (4:1 in most programs!), which is only possible because of overwhelming support from the communities in which we operate.

> “A mentor at my workshop on Saturday had attended a Ladies Learning Code workshops 2 years ago — then went on to do a coding bootcamp and is now a full stack developer and a LLC mentor!

Mapping to Our Theory of Change

33% of Ladies Learning Code participants surveyed updated their resume/ LinkedIn to include coding/tech skills

34% took on new coding/tech tasks at work as a result of their participation in Ladies Learning Code

51% used coding/tech in their personal life

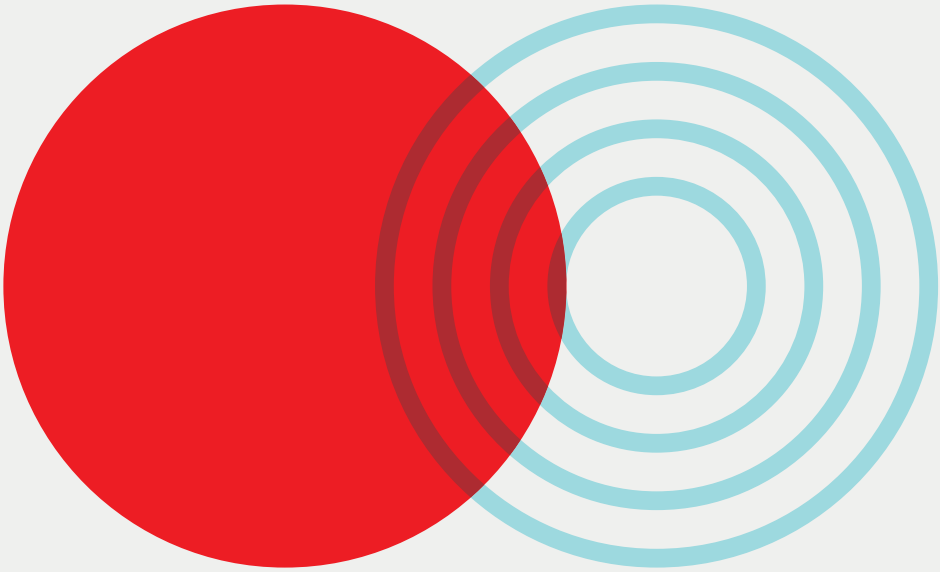
63% felt more confident in their use of coding/tech after an experience with Ladies Learning Code

47% engaged in additional coding/ tech learning after an experience with Ladies Learning Code

77% were also actively serving as agents of further change, encouraging others in their life to learn about coding/tech after an experience with Ladies Learning Code

Source: Digital survey administered by Ryerson's Diversity Institute

※ladies learning code



Long Lake #58 First Nation

This year, we expanded our multi-day Digital Skills course with a pilot in Long Lake #58 First Nation located three and a half hours Northeast of Thunder Bay.

We were first invited to the community by a local leader and social worker who's a tireless advocate for the needs of her many clients and has been working to support economic development initiatives for her entire career in First Nation communities. With the support of sponsors eBay and Shopify, our goal was to empower the community with digital skills to help them thrive in our increasingly digital economy.

Success for this pilot course would mean members of the community were equipped with tangible and practical digital skills, confidence to leverage these newly acquired skills and social supports to continue to learn and use these skills beyond the program. Throughout the course, learners applied new skills to hands-on projects. Learners learned to build the web using modern web-based applications like Google Suite, Pixlr, Canva and Soundtrap. Secondly, they developed foundational skills to build websites and simple web applications. Finally, they learned about entrepreneurship and how to build a web-based business or store with a visit from a team from eBay. One of our favourite first projects was supporting learners to update several of the neighbouring First Nation's Wikipedia pages which had outdated information.

At the end of the course, 17 students graduated — 14 women and 3 men. Importantly, we included members of the entire community throughout the course by inviting them to learn along with the class. Notably, the Elders who were invited to share stories and experiences that the students could use as raw content for their digital projects, and the children who we visited at LL58's elementary school to teach them how to make video games with code.

Since the course ended, Long Lake #58 opened an internet cafe for the community at large and it is managed by two women who graduated from the digital skills program and are now sharing their skills with the community! In addition, we're proud to share that Long Lake #58 received a four year grant from the Canadian Women's Foundation to continue and expand on this course which we're excited to continue to support.

Girls Learning Code

Workshops, camps and tech day experiences for 3-12 year old female-identified, trans and non-binary youth.

Our Girls Learning Code program offers female-identified, trans, and non-binary youth ages 3-12 hands-on experiences designed to inspire them to see technology in a whole new light — as a medium for self-expression, and as a means for changing the world. Girls Learning Code gives the next generation of female-identified creators the tools they need to unlock all the possibilities of our digital world!

Our workshops, camps and meetups provide female-identified and non-binary youth with positive and welcoming learning environments through which they can come to know themselves as powerful and capable builders of technology! Learners can choose from workshops and camps covering everything from webmaking to game development to art making. As they learn, they are supported by local volunteer mentors and instructors who are trained to create supportive and comfortable learning experiences.

"At the Girls Learning Code Entrepreneurship camp in Toronto — one group made a company called 'Colour Wash'. It's a washing machine that lets you pick what colour you want your clothes to be when they come out!"

> "
> 'Is that magic?!'
>
> 'No, we coded it!'
>
> ... conversation between one young (5yo) learner and her mom after she demonstrated the change colour effect in the artmaking project in scratch.

girls learning code

> Had the best moment today with a group of kids who completed our paper surveys. Several kids, both girls and boys were outraged over the questions that implied girls shouldn't/can't code. They could not understand why we would every ask that!

Kids Learning Code

Workshops, camps and tech day experiences for 3- to 12-year-old kids.

Our Kids Learning Code program offers youth ages 3-12 hands-on experiences that will empower them to become creators, and not just consumers, of Technology.

Our inclusive, hands-on workshops, camps and meetups cover everything from webmaking to gamemaking to digital art making and more! They are especially popular and successful because of the attentive and encouraging support provided to learners by our wonderful team of volunteer mentors from the local communities in which we operate.

"I've been able to offer some scholarships to our learners who have applied to attend our KLC Camps this summer in Toronto, and receiving many emails of appreciation. This one was exceptionally heartwarming: 'I let my daughter read the email that she was granted full scholarship for coding class and she cannot contain her excitement. Thank you so much very much. This means a lot to our family. Have a wonderful day!'"

Kid Tech Nation

We're proud to have partnered with Boys and Girls Club of Canada (BGCC), Corus Entertainment and Taylor Newberry Consulting to increase the number of opportunities for youth aged 7-12 to learn coding in 2018. Through this new cross-sector partnership, we collaboratively developed an eight week coding curriculum to serve the needs of BGCC communities and expose the youth they work with to the power of code.

Over several days, BGCC staff members visited our HQ for training and left to begin delivering learning experiences to their members across the country. Once back in their communities, BGCC club leaders across Canada engaged youth in eight weeks of hands-on and project based learning through online and offline, or "unplugged" activities.

Over the course of eight weeks, learners were introduced to simple concepts and words used in the technology industry such as "coding" and "algorithms." Youth also explored internet safety, computation thinking and coding concepts.

By the end of the program, learners used coding to build something — from digital art, games to websites to promote a social cause. As a result of these hands-on collaborative experiences in clubs coast to coast, learners developed digital literacy skills, gained confidence and interest in technology and experienced the real-world application of STEM concepts and promote early career awareness.

Teens Learning Code

Workshops, industry events and Hackathons for 13-17 year old female-identified, trans and non-binary teens.

Our Teens Learning Code program offers female-identified, trans, and non-binary youth ages 13-17 opportunities to take action on ideas that will shape our future while leveraging the power of technology. Our learning experiences are much more than learning how to code. Our experiences empower teens to learn problem solving skills, how to turn ideas into reality, exposure to what a future in technology could look like, and much more.

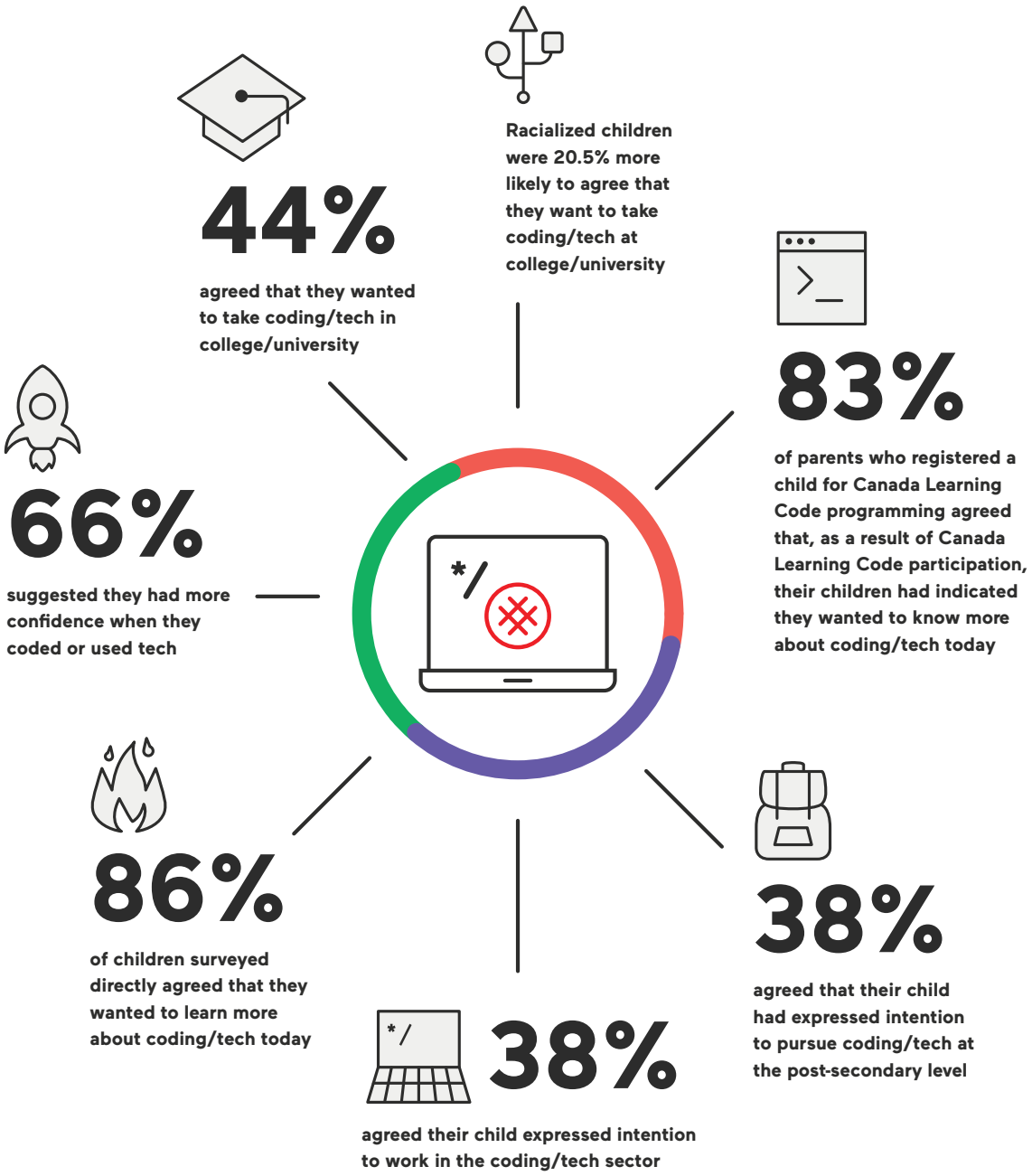
Our workshops, industry events and hackathons cover everything from webmaking to gamemaking to app inventing to networking, building a personal brand and more! Learners will also benefit from getting to meet, learn from, and work with local volunteers who participate in our Teens Learning Code events as instructors, mentors, and role-models!

> “You know the instructor is doing something right when it’s past 9 and not a single learner has left yet!

※teens learning code

Youth Impact Combined

Mapping Youth Programming to Our Theory of Change



Source: Digital survey administered by Ryerson's Diversity Institute

Teachers Learning Code

Workshops, online resources and multi-day conferences for traditional and non-traditional educators.

Our Teachers Learning Code program has been designed for educators with little to no coding experience to be able to teach coding fundamentals to their students. We offer various learning experiences such as workshops and conferences that provide educators with guides, training, and lesson planning tools to help them introduce code and computational thinking to their students.

No coding experience necessary — our Teachers Learning Code program is designed for absolute beginners.

> “This has been a fantastic experience! Thank you for sharing these resources in a way that is easy to both understand, and use. Everything was relevant to classrooms today, and could be adjusted for both primary and secondary education.

※teachers learning code

Mapping to Our Theory of Change

23% indicated that they updated their resume/LinkedIn to include their newly developed coding/tech skills

18% applied for a job opportunity involving coding/tech (promotion, new role, etc.)

73% suggested that because of CLC programming they used tech/coding to teach in their classroom

51% agreed that because of their CLC experience they used coding/tech in their personal life

77% admitted they were more confident in their use of coding/tech

68% have engaged in additional coding/tech learning

91% suggested they were encouraging others in their life to learn about coding/tech

Source: Digital survey administered by Ryerson’s Diversity Institute

79% of survey respondents said they began teaching coding because of TeacherCon.

TeacherCon

In the Summer of 2018, we launched TeacherCon: a free multi-day experience for educators in Canada working in the K-12 system, as well as student teachers and community educators.

Over 750 educators participated in a TeacherCon experience in one of the 12 city hosts coast to coast. From Whitehorse to St. John's to Victoria to Cornwall, educators learned to use a variety of tools and resources to integrate computer science into their curriculum and provide their students an opportunity to unlock the power of code.

Educators of all subjects and backgrounds learned how they can incorporate vocabulary, software, web-based and physical computing tools, as well as languages such as HTML, CSS and Python, into their lessons making connections between computer science and the subjects they teach such as mathematics, science, language arts and physical education. At the end of the experience, educators left empowered and equipped with How-To guides, lesson plans (some they even created in groups themselves), software and even educational robots to help in their coding education journey.

"Thanks for all the goodies and help from mentors and presenters! You are all doing a wonderful job! You are really reminding me of what good teachers do... breaks, pair shares, "politeness mode", hands on activities, time to reflect, small group teaching, etc. Keep it up! Also, I couldn't believe we learned processing and HTML today. That's amazing!"

TEACHERCON
teachers learning code

Source: TeacherCon Digital Feedback Survey

Our Signature Initiatives

As leaders of computer science education in Canada, we've founded three unique and first of their kind annual initiatives increasing awareness and access to computer science coast to coast.

National Ladies Learning Code Day

We hosted our sixth annual National Ladies Learning Code Day. This year, we turned our focus to introducing browser extensions using JavaScript to adults across Canada. There were 30 workshops that saw 900+ learners and 250+ technical mentors, all of which resulted in 4,590 hours of coding and almost 25,000 lines of code written.

Together, we learned how browser extensions can help customize our browsing experience and increase productivity — using code to develop agency and harness change through building our own extensions for Google Chrome.

We explored permissions, discussed ethics around extensions and learned how JavaScript can be used to interact with websites and modify or replace content. Learners used what they learned to alter websites to their liking — from replacing images with kittens and dogs or changing YouTube's trending videos to images of themselves.

Learn more at learntocodeday.com

"Today at #lldCodeDay, I learned how to make a Chrome extension with JS which replaces all images on the page with pics of me! Can't wait to give Mom this gift next time I'm over to fix the Internet! Thanks @learningcode — now I know I can do this thing too!"

"Amazing day today, learning something new in an encouraging and supportive environment."

"Happy to be mentoring at the National Ladies Learning Code Day event! 30 engaged learners aged 8-50+ wrote their own JavaScript browser extensions today."

"Just had the best day, teaching an awesome, fun workshop on browser extensions with Canada Learning Code. Learners were very engaged and learned a lot which is just the best outcome."

National Girls Learning Code Day

This year on National Girls Learning Code Day, girls across Canada embarked on a special, top priority mission: raising awareness for the declining population of bees. With 31 events across the country, 699 learners (+ their parents/guardians) and over 300 volunteer mentors, we're still buzzing from our biggest year yet!

Learners got to explore the game industry by experiencing what it's like to work on different project teams, within a variety of roles. From creating the artwork, sounds, background music, and game itself — we went through the development process together, from pre-production to post.

Our goal for National Girls Learning Code Day is to show girls across the country that they can use technology to create social change, to encourage creative thinking to find solutions to problems, to apply personal interests and skills, and to empower our learners to walk away using the tools, languages, and programs learned to keep coding!

Learn more at girlslearningcodeday.com

"It's great to meet other girls who like to do coding and want to learn more!"

"I just wanted to share some personal feedback from myself and my 11-year-old god daughter, whose 3rd workshop she attended this previous May 12. Every workshop, I am delighted to see the gears turning in her brain as she learns new coding concepts. This workshop especially, I saw her eyes light up as she had an "AHA!" moment; we both worked together to build and debug the bee game she created, and she was so thrilled to show the class her finished product. I too find myself delighted with the things I learn as a 28 year old woman! This is something that I never had access to as a young girl and am so happy to be able to expose my god daughter to these new skills, which I know she will carry with her forever. Thanks Girls Learning Code!"

"I had the pleasure of instructing for National Girls Learning Code Day and I was so happy my daughter was in the class. As a father, I try to show my kids that they shouldn't have fear of 'getting it wrong' because it's the wrong answers that guide us to the right answer. When I do projects with my kids, I lay out a plan and I will often hear 'Ummm... How do you know that will work?' and I usually reply 'I don't, but we can only find out by trying.' With code, I'm a firm believer that if you're not breaking things, you're not learning. At National Girls Learning Code Day, my daughter discovered the joy of getting it wrong. I'm thankful I had the opportunity to be part of it."

"At GLC Code Day, one of my regular mentors told me that she was starting to see some kids were coming back month after month, and that she really saw them evolving, and getting better and better!"

Canada Learning Code Week

Canada Learning Code Week is an annual celebration of computer science in Canada. Over the course of one week, youth and educators in Canada assemble in schools, libraries, museums, and other community gathering places to learn about Canadian art, history and culture and learn how to bring these stories, art and culture to life, digitally.

This year, over 80,000 students and 1,800 educators across Canada took part in the week which ran during Computer Science Education Week from December 3-10.

In partnership with some incredible organizations including Amazon, GM, ImagineNATIVE and the Rideau Hall Foundation, learners from every province and territory were exposed to innovation, as well as technological and artistic futures.

Our feature lessons included:

- A lesson on Voice-Assistant technology brought students to Amazon's headquarters in order to collaborate towards solving world issues.
- A web development lesson with Rideau Hall Foundation allowed students to celebrate Canada's innovators.
- An unplugged coding lesson had students learning about computational thinking while playing basketball at MLSE Launchpad.
- A lesson on self-driving cars with General Motors had students simulating their own digital car to learn about the future of transportation.
- A lesson creating a virtual reality with ImagineNATIVE and inspired by Anishinabe intermedia artist Scott Benesiinaabandan, allowed students to craft their own virtual world.

The exciting week ended with educators submitting their students' work to the Most Innovative Project Contest in partnership with Amazon's Future Engineer Program.

CODE 2018
CLC WEEK

Over half (58%) of educators who participated in Canada Learning Code Week said it was their first time teaching students how to code.

"Fantastic! Very proud of my grade 5s. We won the Amazon 'Future Engineer Canada Learning Code Week Award' for 'Most Innovative Project'. Thanks Canada Learning Code and Amazon for selecting our coded projects on Self Driving cars. We will keep Coding!"

"My class won the Canada Learning Code Week contest! I can hardly wait to share their excited faces when we get the prizes!"

"Coming up with solutions on how to use voice assistant technology for good. Students invent the AI Watch to help them organize their tests, assignments, due dates and extra-curriculars!"

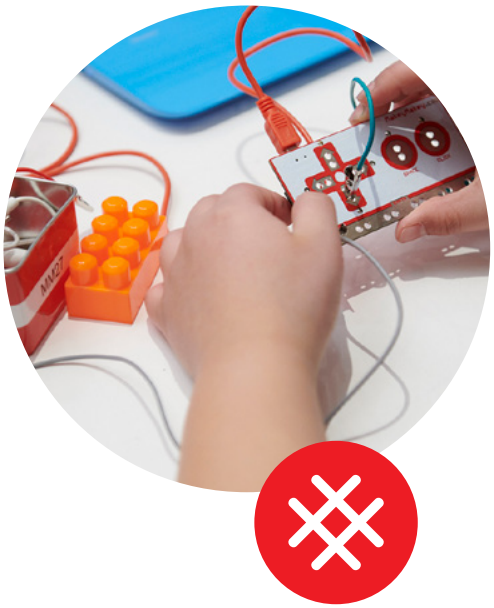
"Just came back from a whirlwind adventure in Iqaluit, Nunavut where I taught a Canada Learning Code Week workshop on virtual reality and imagining new worlds! Thanks Canada Learning Code, Pinnguaq and ImagineNATIVE for all your hard work!"

Source: Canada Learning Code Week Teacher Kit Survey

Stories From Our Community

We have always known that digital literacy has the power to transform lives, and these stories from our community prove just that! Hear about the stories of our community — learners, mentors and instructors alike.

Erin and Meg



At National Girls Learning Code Day, we had a mom who was a little bit skeptical of the whole learning code scenario. She came on a little strong when asking Erin, my partner, and me what the value was in adults learning code. We explained that not everyone wants to be a developer, but that it's good to be able to speak to it so that you're not scared of it, and you feel empowered by technology. This is the e-mail she sent me after the workshop:

"We attended last Saturday's seminar 'Girls Learning Code'. My daughters really loved it and learned a lot. The teacher and mentors were so helpful and kind!

Thanks so much and I look forward to taking a class for me to get up to speed in September!

Kind Regards and Thanks again!"

St. John's TeacherCon Participant

"TeacherCon was an amazing experience. I was introduced to so many tools and different forms of coding. Before this conference I entered classrooms intimidated to teach coding. Now I feel much more confident. TeacherCon provided me with so many resources to consult if I have issues. I look forward to teaching coding to my students and learning along with them."

Jayne

"Last November 2018, we went to a school for a few days to teach Scratch workshops. It was a regular visit, some small magic moments but nothing that particularly stood out. A few weeks later, we spent a weekend at Mega Montreal, which was a video game convention for adults and kids alike. One parent who was part of the organizers came up to us and thanked us for our awesome work. He said we went to his kid's school a few weeks ago and that his daughter went back home after our workshop and has been creating ever since. He was very proud of her and couldn't thank us enough for sparking an interest for coding in her and for being 2 female role models for her."

" One of the girls offered to help me clean up and while chatting, she said that if she could have a superpower, she would want to go back in time. When I asked her what time she would go back to, she thought for a few seconds, then pointed at the robots and said 'to this!' "

... conversation between learner and volunteer after a coding with robots workshop.

Our Partners

Thanks to our national and local partners in 2018 who made our work possible! Featured below are our supporters who made $10,000+ investments in our work during 2018.

J.P. Bickell Foundation

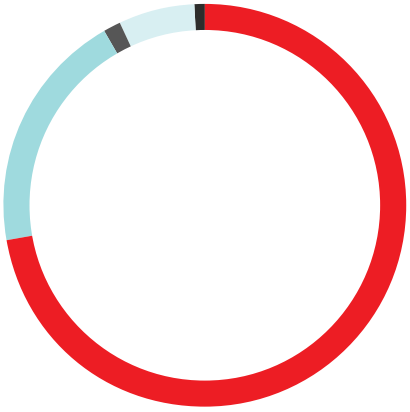
THE READY COMMITMENT

Financial Summary

Through the generous support of our sponsors and donors, Canada Learning Code has been able to grow and respond to the needs of our community.

We are committed to honouring each and every contribution to our shared mission.

This year, our budget was $5.875 million which includes the local operating budgets of our 30+ Chapters.



Revenue

72.4%	Government grant
19.2%	Corporate contribution
6.1%	Program service fees
1.4%	Individual contributions
0.8%	Other income

Expenses

36.5%	Wages & Benefits
20.6%	Production & Supplies
4.1%	Rent
13.0%	Office & General
15.0%	Advertising & Promotion
3.6%	Professional Fees
6.3%	Amortization
0.9%	Insurance

Make a Gift and Ignite Potential

Potential lives in all of us and anyone can learn to harness the power of technology for personal or professional fulfillment. Your support will ensure thousands of women, girls, kids, teens and educators can unleash their coding potential through our hands-on collaborative and fun learning experiences in communities across Canada.

Join us in unleashing learners' potential today and beyond.

Donate here.

92% agreed that they would be likely to recommend Canada Learning Code to a friend.

Source: Digital survey administered by Ryerson's Diversity Institute

" Is that magic?! "

" No, we coded it! "

... conversation between one young (5yo) learner and her mom after she demonstrated the change colour effect in the artmaking project in scratch.

We offer learning experiences for people in Canada.

>_ canadalearningcode.ca

Chapter and Code Mobile Locations for 2019:

Barrie	Kitchener-Waterloo	Saskatoon
Calgary	London	South Shore Montréal
Cornwall	Markham	St. John's
Durham	Moncton	Sudbury
Edmonton	Montréal	Toronto
Fredericton	Vancouver Island	Vancouver
Halifax	Ottawa	Victoria
Hamilton	Peterborough	Windsor
Kelowna	Québec City	Winnipeg
Kingston	Regina	