



Skills Compétences
Canada **Ontario**

*Leaders in
inspiring
Ontario's future
skilled trade and
technology
workforce*



SkillsCompétences
Canada **Ontario**

INTRODUCTIONS

Ian Howcroft
CHIEF EXECUTIVE OFFICER,
SKILLS ONTARIO

QR Codes



Through out this power point, there are QR codes on some of the slides.

If you wish to find more information, you may use your phone to use the code to take you directly to the webpage it refers to.

ABOUT SKILLS ONTARIO

We are committed to preparing Ontario's youth for the highly-skilled economy of tomorrow. We partner with school boards, colleges, small business, large companies, labour groups, and governments to provide opportunities for youth to explore and develop skills for successful careers in the skilled trades and technologies.

With over 30 years of experience, Skills Ontario is a province-wide organization with a grassroots connection into the many communities we serve. Our programs represent a long-term investment in the lives of all Ontarians.



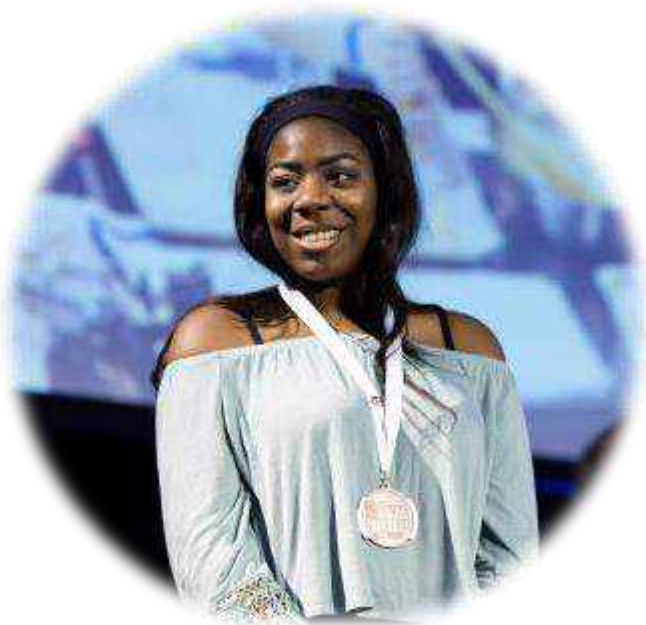


WHAT SKILLS ONTARIO DOES

Skills Ontario is building Ontario's skilled trades and technologies workforce. We enable and empower all youth, including women and Indigenous youth, to consider a career in the skilled trades and technologies.

Engagement with students, teachers, parents, volunteers, employers, and mentors ensure our programs connect education, experience, and employment. We deliver in-school presentations across Ontario, host Canada's largest skills competition, run summer camps for skills development and connect students to employers.

We are focused on growth sectors such as construction and infrastructure, technology innovation, and hospitality services.



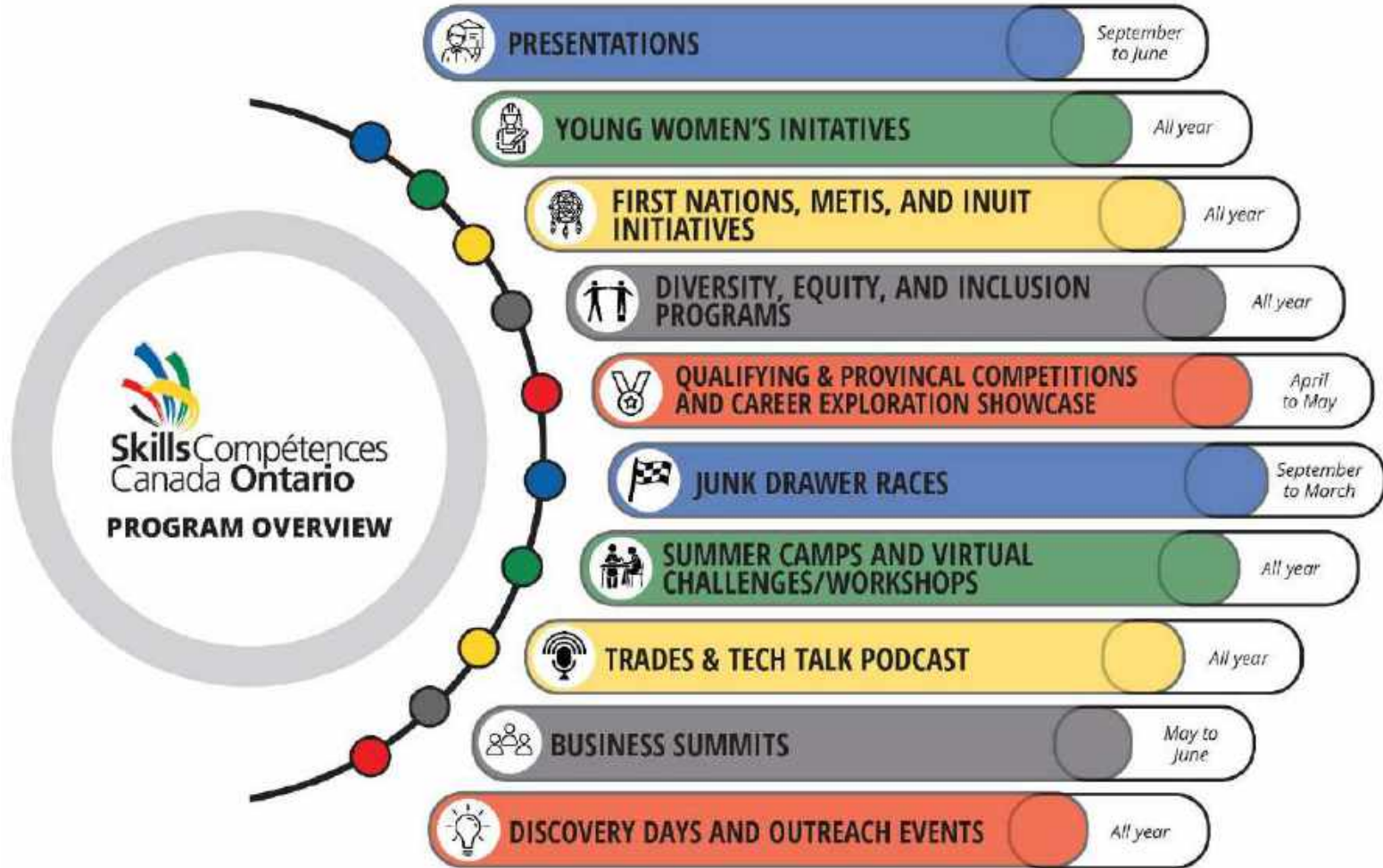
WHY WE DO WHAT WE DO

In total, skills gaps in Ontario cost an estimated \$24.3 billion in forgone GDP.

There is a serious shortage of skilled professionals, and we address that by reaching out to youth and their parents to show them how rewarding, fulfilling, and lucrative these careers really are.

It is estimated that Ontario will face a shortage of 560,000 by 2030 (Conference Board of Canada). Skills Ontario addresses this gap through our many programs and initiatives, dispelling the stigmas and myths that surround these career paths, and building our future skilled workforce.

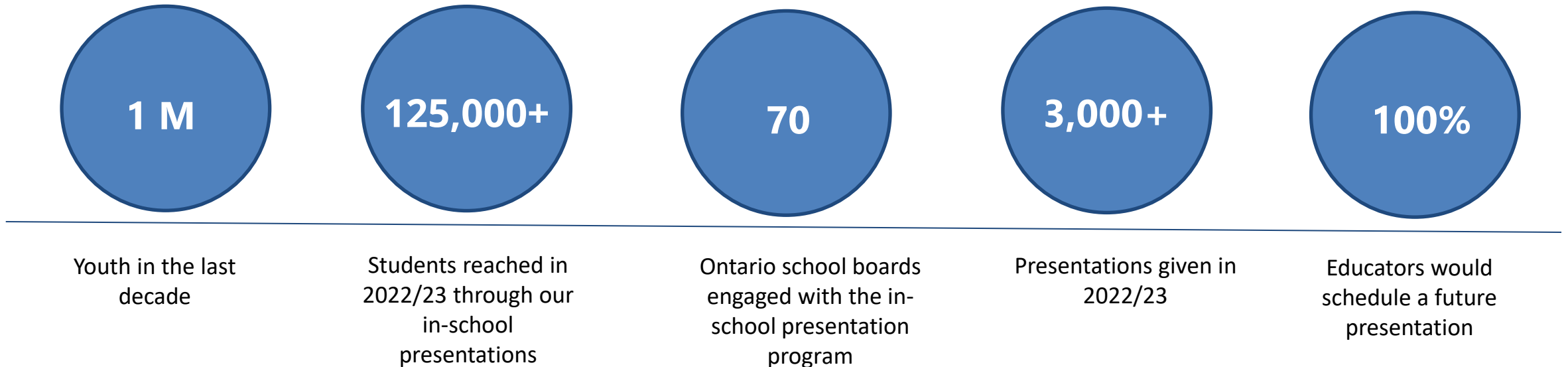




In-school Presentations

Our Liaison Officers present to encourage students to make informed decisions about their future. Since 1998, we have been delivering our presentation *What's Out There in the Skilled Trades and Technologies?* to educate students on the hundreds of career opportunities available in the construction, motive power, service, industrial and technology sectors. This interactive, 45–60-minute multimedia presentation is updated annually and is available in both **English** and **French**, as well as a workshop format geared towards **First Nations, Métis, and Inuit (FNMI)** audiences.

Program Reach



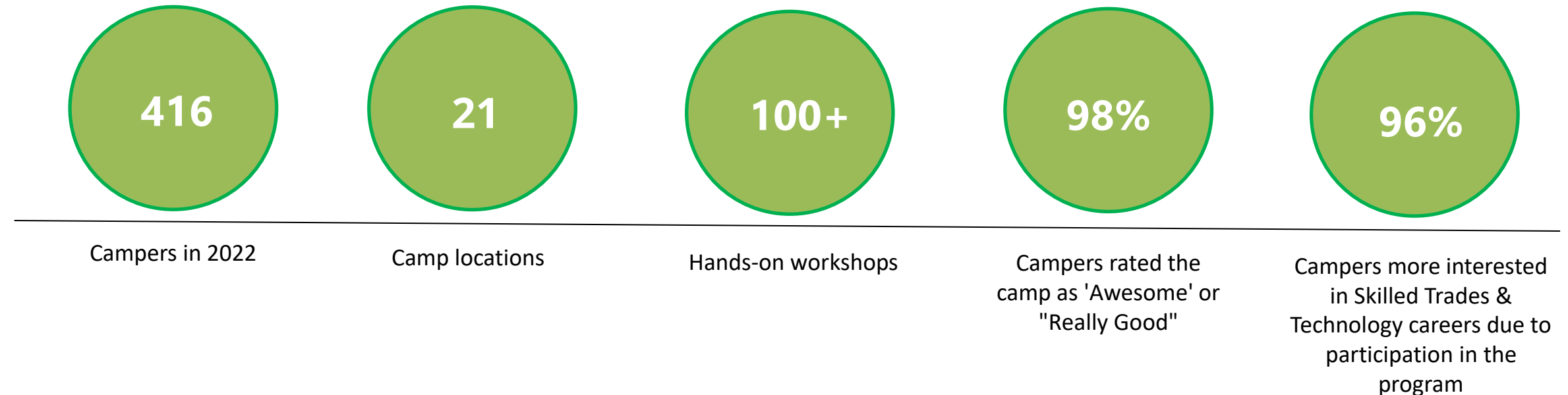
Skills Ontario Summer Camps

Every summer, Skills Ontario holds week-long day-camps across Ontario. Starting in June, Skills Ontario continued the initiative virtually, leading participants through fun, skilled trade and technology-related activities and virtual tours.

Campers created their own summer agenda, signing up for any workshops offered throughout the summer based on their interests and availability.

Over seven weeks, students entering grades 7-9 participated in workshops that helped develop their skills and encouraged them to learn about their career paths. With many experiential learning sessions across 32 different subjects, students were encouraged to sign up for multiple activities, workshops, presentations, and panels that piqued their interest.

Program Reach



First Nations, Metis, and Inuit (FNMI) Initiatives

The First Nations, Métis, and Inuit-focused Student Conference is an opportunity for Indigenous youth to learn about the skilled trades and technologies and to hear from community members who work in these fields. Among its First Nations, Métis, and Inuit Initiatives, Skills Ontario also provided Trades & Tech Days virtually and a **New initiative**: Virtual Indigenous College Recruiter Information Sessions.

Program Reach



Young Women's Career Exploration Events

Skills Ontario's Young Women's Initiatives is a collection of engaging and hands-on events and programs that provide skill development and mentorship opportunities to young women in **grades 7 to 12**. Skills Ontario hosts Career Exploration Events across Ontario from October to April, and Canada's largest young women's conference at the Skills Ontario Competition each year! Scroll down to start exploring!

Program Reach



5000+

Young women
participating in virtual
and in-person events
in 2022/23



1,700+

Young women
attending the Annual
Young Women's
Conference



91%

Students rated the YW
Conference 4 out of 5
or better



96%

Attendees would
participate in a Young
Women's event again



100%

Educators felt these
events encouraged
women to consider a
career in the Skilled
Trades & Technologies

Audience Impact

92% are more interested in a skilled trade or technology career after attending our program!

50% of Ontario Primary, 95% of Secondary Schools and 100% of Colleges are affiliated with Skills Ontario

When asked if they felt they were able to gain valuable information from our events that will help them in their career choices, 100% of young women said YES

99% would recommend attending the Skills Ontario Competition to a friend or family member



➔ Skills Ontario Reach and Impact

Skills Ontario reaches millions of youth through traditional and digital media annually. Our goal is to provide information about skilled trades & technology and present opportunities.

100 M+

Annual Traditional
Media Reach

91%

Are more
interested in
career in skilled
trades &
technology

7/10

Of competitors are
planning to attend
college and pursue
an apprenticeship

365,000

Students
impacted by Skills
Ontario annually

76%

Of our audience are
more likely to
purchase from an
affiliated company



OUR REACH AND IMPACT

2,200+

LISTENERS TUNED IN OUR
TRADES & TECH TALK
PODCAST

**OVER 5
MILLION**

**SOCIAL MEDIA
IMPRESSIONS ON OUR
VIRTUAL INITIATIVES**

11,800+

PARTICIPANTS JOINED OUR 2021 VIRUTAL
SKILLS ONTARIO COMPETITION & CAREER
EXPLORATION SHOWCASE

2,400+
Competitors

20,000+
Spectators

70+
Contests

95%
Students are likely to recommend attending/participating

84%
Likely to consider career in skilled trades & technologies



<https://www.skillsontario.com/skills-ontario-competition>



<https://www.skillsontario.com/competition-visitors>

Over 110
companies & organizations support the Skills Ontario Competition annually through donations & sponsorships!

Provincial Skills Ontario Competition

Largest in Canada

Programs in Conjunction with the Skills Ontario Competition





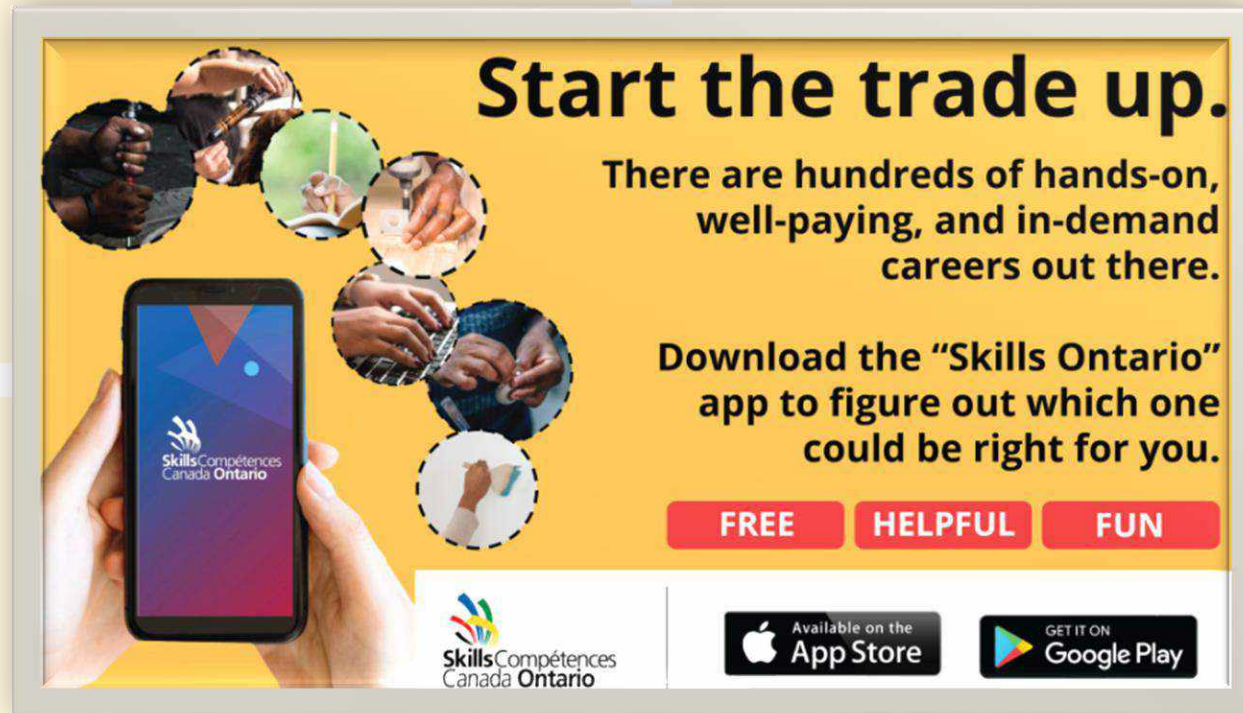
DO YOU HAVE WHAT
IT TAKES?

Career exploration at your fingertips!
Skills Ontario has launched our FREE NEW APP!

Download it from your app store for access to:

- Scholarships & bursary opportunities
- A calendar of events

- A quiz to learn what careers may be right for you...and more!



Start the trade up.

There are hundreds of hands-on, well-paying, and in-demand careers out there.

Download the "Skills Ontario" app to figure out which one could be right for you.

FREE **HELPFUL** **FUN**

SkillsCompétences Canada Ontario

Available on the App Store

GET IT ON Google Play

The advertisement features a central image of a hand holding a smartphone displaying the Skills Ontario app logo. Surrounding the phone are several circular inset images showing various hands-on activities, such as a person working with a tool, a person using a computer, and a person working with a machine. The background is a bright yellow.

Skills Ontario APP

ANDROID

<https://play.google.com/store/apps/details?id=com.app.skillsontario>



iOS

<https://apps.apple.com/ca/app/skills-ontario/id1580684347>





**Start the
trade up.**



<http://www.skillsontario.ca>



Skills Ontario - Compétences Ontario

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▶ PLAY ALL



Tous les secteurs (vidéos éducatives animées)

1 view • 23 hours ago



Secteur des services (vidéos éducatives animées)

No views • 23 hours ago



Secteur de la technologie (vidéos éducatives animées)

1 view • 23 hours ago



Secteur de la force motrice (vidéos éducatives animées)

No views • 23 hours ago



Secteur de l'industrie (vidéos éducatives animées)

1 view • 23 hours ago



Secteur de la construction (vidéos éducatives animées)

No views • 23 hours ago

Virtual Reality "Day in the Life" Tours

▶ PLAY ALL



A Day in the Life of an HVAC Technician



A Day in the Life of an Area Operations Engineering Technician



A Day in the Life of a Baker



A Day in the Life of a Carpenter



A Day in the Life of a Catering Staff



A Day in the Life of a Construction Craft Worker



<https://www.youtube.com/user/SkillsOntario>



VIRTUAL REALITY

A Day in the Life
of a Carpenter



Young Women's Initiatives



Engaging, hands-on events and programs that provide skills development and mentorship opportunities to young women.



Event, kit and badge for Sparks, Brownies, Girl Guides, Pathfinders and Rangers!

Skills Ontario Schedule

August 21, 2021 | Register by August 6th!

OPENING Listen to the opening message

MENTOR PANEL Hear from amazing mentors! Learn more about working in the Skilled Trades & Technologies

ACTIVITY TIME Gear Bots (Sparks & Brownies)
DIY Radio Boombox (Guides +)

***FINANCIALS & INCENTIVES** *(Guides+) | Learn about incentives when entering the skilled trades

CLOSING Takeaway Messages

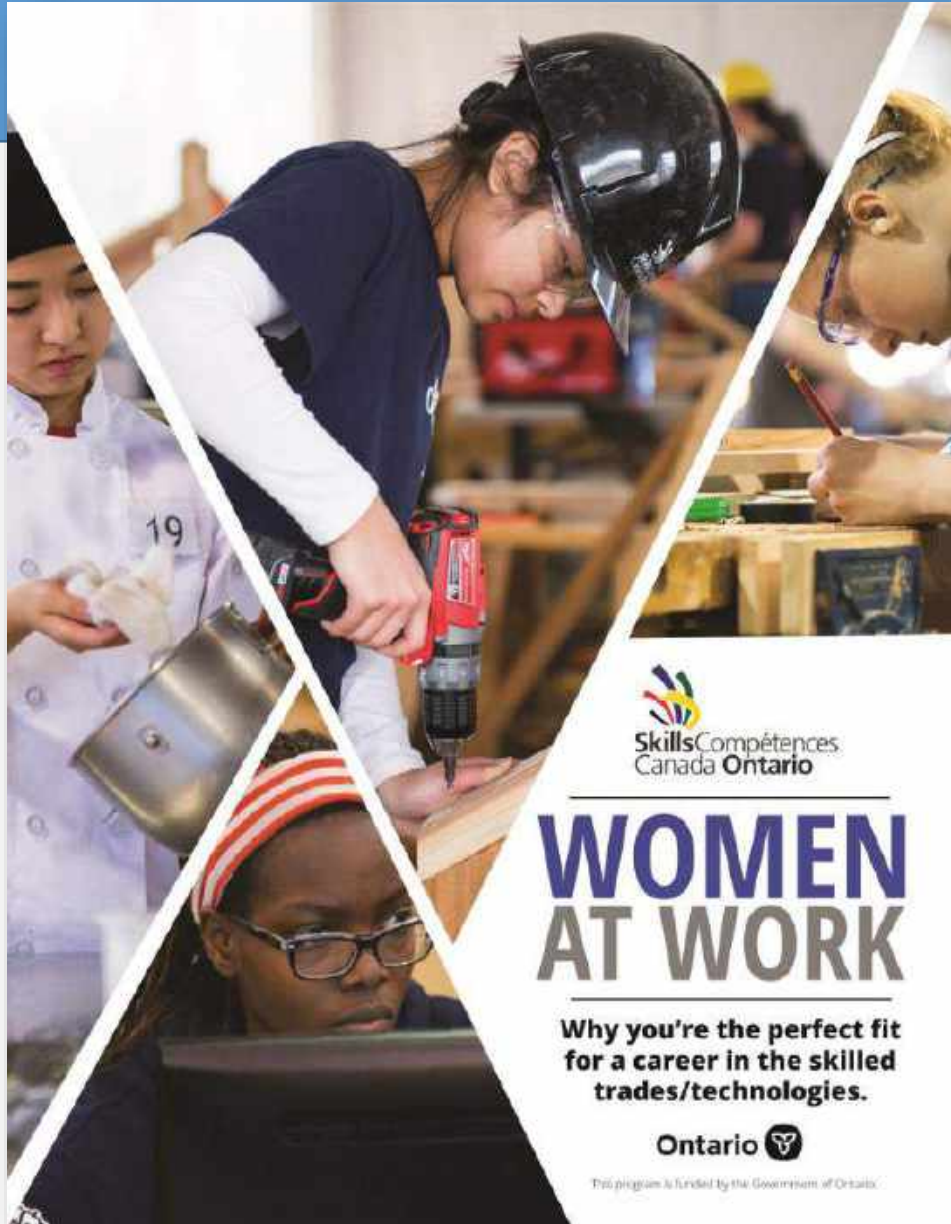


NEW!

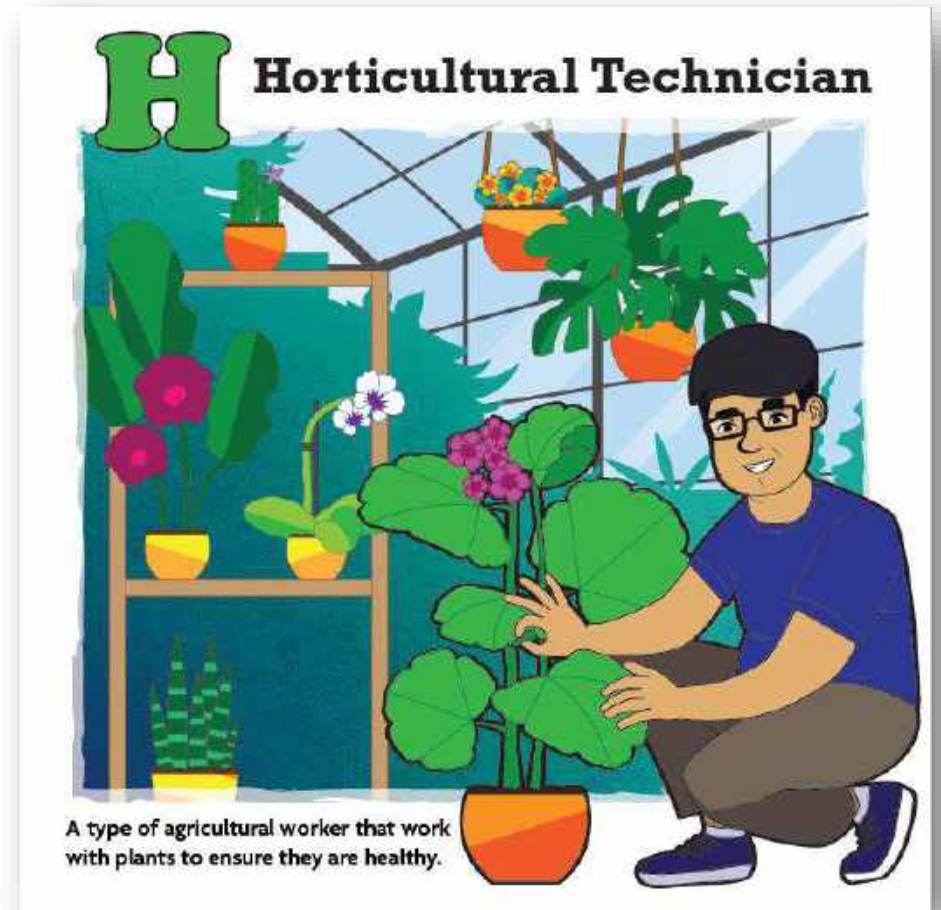
Skills Ontario Skilled trades and Technology Badge with Girl Guide of Ontario and Nunavut Council!



Publications



Women At Work focusing on grades 7-12, in providing the information they need to understand and get started in the trades. As well as what THEY deal with as a student. Peer pressure, parents, etc.



Alphabet Book for grades K-2 focusing on careers in skilled trades and technologies!

Women in Skilled Trades and Technologies Support Groups and Organizations

Collaborating Organizations



We are thrilled to be partnering with women in skilled trade and technology organizations and groups to stand together and make an impact. We are united with the same goals and initiatives and will promote exciting opportunities for women through skill development, mentorship, networking, and experiential learning opportunities at our Young Women's Career Exploration Events and Young Women's Conference.

<https://www.skillsontario.com/young-womens-initiatives#Orgs>





Diversity, Equity & Inclusivity

Creating equal opportunities for all youth by removing barriers and giving all Ontarians Opportunities to explore their career pathways.



Skilled Trades and Tech RISE SERIES

New Canadians can explore skilled trade and technology careers through this free interactive workshop series! Every session is virtual, taking place on Wednesdays in April from 9:30 am to 11:30 am (EST).

April 6th
2022

Participate in a workshop to build your resume and cover letter



Learn how to access programs, and prepare for and succeed in interviews

April 13th
2022



April 20th
2022

Hear directly from successful tradespeople who are also newcomers



Gain the skills to pursue an entrepreneurial pathway and start your own business

April 27th
2022



Register now at
[skillsontario.com/dei](https://www.skillsontario.com/dei)

IN PARTNERSHIP WITH



<https://www.skillsontario.com/dei>

Skilled Trades & Tech UMOJA Series

Join this virtual conference for Black youth in grades 7 & 8 and families to learn about what skilled trades and technologies have to offer!



Hear from
celebrity chef
Roger Mooking
and watch a
live cooking
demonstration!

February 2, 2022
1:00 pm - 2:00 pm (EST)
Virtual & Free to Attend

Register to attend at



<https://www.skillsontario.com/dei>

UMOJA is the first principle of Kwanzaa, a celebration rooted in African harvest festival traditions. UMOJA means unity.

Program

Skilled Trades & Tech UMOJA Series

Join this virtual conference for Black parents/guardians to learn about what skilled trades and technologies have to offer!

Skilled Trades & Tech UMOJA Series

Join this virtual conference for Black youth in grades 9-12 and families to learn about what skilled trades and technologies have to offer!

HEAR FROM INSPIRING SKILLED CHEFS!



Rob Reinford



Kwesi Douglas



Seiyun Richards

February 9, 2022
1:00 pm - 2:00 pm (EST)
Virtual & Free to Attend
Register to attend at
skillsontario.com/dei

UMOJA is the first principle of Kwanzaa, a celebration rooted in African harvest festival traditions. UMOJA means unity.

Program Partners



February 10, 2022
6:30 pm - 7:30 pm (EST)
Virtual & Free to Attend

Register to attend at
skillsontario.com/dei

UMOJA is the first principle of Kwanzaa, a celebration rooted in African harvest festival traditions. UMOJA means unity.

Program Partners



This program is funded by the Government of Ontario.



HEAR FROM FANTASTIC SPEAKERS!



Safia Janki, Skills Ontario



Craig Partridge, WPM



Bolijoy George, SAIB Professional



Photo Credit: Kristi Corbiere



First Nations, Métis, and Inuit

Continuing to raise awareness of Indigenous youth in these rewarding career!

Skilled Trades and Technology Day

Meet Indigenous Skilled Trade and Technology Workers

Youth in grades 7-12, hear from Indigenous skilled trade and technology workers and learn about their careers and training pathways. The panel is followed by a hands-on activity related to a skilled trade or technology skill.

Adapted for underemployed and unemployed adults - the panel is followed by a panel of Indigenous College Recruiters to discuss supports and programs.



<https://www.skillsontario.com/fnmi#Events>





<https://www.skillsontario.com/junk-drawer-races>

Paper Glider Competition Sponsor

BOMBARDIER

Junk Drawer Races Program Partner

This program is funded by
the Government of Ontario.

Ontario 

JUNK DRAWER RACES



Gravity Powered
Robot Walker Race

Grades 2-3



Cardboard
Car Race

Grades 4-5



Paper Glider
Competition

Grades 6-7



Hydraulic Crane
Challenge

Grade 8



Cardboard
Hovercraft Race

Grades 9-12



- Wheelchair accessible
 - Lift and ramps
- Dimmable lights for light sensitivities
- Clorox Disinfecting Machine
- 2 Entrances for directional flow
- Clean Box for disinfecting
- App for generators and heating systems
- Ductless Heat System & AC
- Espar pre-heating system





All activities have been compared to the Ontario curriculum to assist teachers in planning.

PERMANENT ACTIVITIES:

	K-3	4-6	7-8	9-10	11-12	SHSM	Parents	Community
1. Virtual Paint	✓	✓	✓	✓	✓	✓	✓	✓
2. Electrical	✗	✓	✓	✓	✓	✓	✓	✓
3. Pneumatics	✗	✓	✓	✓	✓	✓	✓	✓
4. Tires and Brakes	✗	✓	✓	✓	✓	✓	✓	✓
5. Heavy Equipment Simulator	✓	✓	✓	✓	✓	✓	✓	✓
6. Walk a Trade - VR	✓	✓	✓	✓	✓	✓	✓	✓
7. 3D Printer	✓	✓	✓	✓	✓	✓	✓	✓
8. Welding Simulator	✓	✓	✓	✓	✓	✓	✓	✓
9. Tool Exploration	✓	✓	✓	✓	✓	✓	✓	✓
10. Try On A Trade	✓	✓	✓	✓	✓	✓	✓	✓
11. Hybrid Planetary Gearset	✓	✓	✓	✓	✓	✓	✓	✓
12. Fire Alarm Systems	✗	✓	✓	✓	✓	✓	✓	✓

ROTATING ACTIVITIES:

		K-3	4-6	7-8	9-10	11-12	SHSM	Parents	Community
1	Snap Circuits	✓	✓	✓	✓	✓	✗	✓	✓
2	3Doodler	✗	✗	✓	✓	✓	✗	✓	✓
3	Microbit: Robotics	✓	✓	✓	✓	✓	✓	✓	✓
4	Sewing + Embroidery	✓	✓	✓	✓	✓	✓	✓	✓
5	Bionics (FESTO)	✓	✓	✓	✓	✓	✓	✓	✓
6	Hydraulics Maker Set	✓	✓	✓	✓	✓	✓	✓	✓
7	Photography	✓	✓	✓	✓	✓	✓	✓	✓
8	MakeDo	✓	✓	✓	✓	✓	✗	✓	✓

LEGEND:

✓	Available for this grade
✓	Specific curriculum connections for this grade
✗	Not available for this grade

While most activity's original purpose was for apprenticeship and industry training, each have been created to have different levels of programming for grades K-12+ and are capable for SHSM certifications and more!



Hydraulic Break and Tire Changing Trainer

Photo Credit: Jennifer Green



Try on a Trade Station

Photo Credit: Jennifer Green



Virtual Paint Trainer



The Skilled Workforce is an economic imperative. Standard of living and growth of the economy depend on this!

Many studies have highlighted this challenge and reality:

- Buildforce
- CAF
- Conference Board of Canada
- CME

All sectors are impacted and there will be underscored competition for talent.

Not unique to Ontario – All Jurisdictions are challenged.

Nova Scotia is regularly promoting through radio ads.



Demographics are not in our favour – Ontario has an aging workforce. A continued need to highlight issues with a stronger focus on actual solutions.



Ensure we are working to expand the recruitment pool, to engage with all underrepresented groups (women, Indigenous, BIPOC, PWD, new Canadians)

DEI (Diversity, Equity & Inclusivity) are a key area of focus.



Address the negative stigmas and get
The correct info to the right people!

students, parents, teachers, guidance councilors,
Community leaders, employment agencies and more



SkillsCompétences
Canada **Ontario**

MOVING FORWARD

Skills Ontario aims to act as a hub and conduit to link organizations, information, and assistance.

Moving forward, we are preparing for various scenarios, including providing “normal” offerings, hybrid offerings, and virtual offerings, forging new relationships and partnerships, and better engaging other audiences, particularly business and parents.

THANK YOU!

PAUL CLIPSHAM

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FIND INFORMATION ON OUR WEBSITE

WWW.SKILLSONTARIO.COM



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[SKILLSONTARIO](https://www.youtube.com/SKILLSONTARIO)



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