



STEM SPOTLIGHT

ORGANIZATIONS INCREASING STEM INCLUSION FOR
EQUITY-DESERVING GROUPS:

A GUIDE FOR PARENTS AND TEACHERS IN ATLANTIC
CANADA

PRODUCED BY WISEATLANTIC
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GIRLS FOCUSED

Techsploration



Techsploration@techsploration.ca
techsploration.ca
Facebook/LinkedIn/Twitter: @Techsploration
Instagram: @techsploration_ns

Considered a national best practice, Techsploration's award-winning 4-phase program model provides young women in Grades 9 through 12 with opportunities to explore science, engineering, trades, and technology occupations, while creating awareness about the critical role of work in their lives. It also helps them understand the significance of high school math and science for their future careers.

Terranaut Club



Terranautclub.com
Instagram/Twitter: @Terranautclub
Facebook: Terranaut Club

Terranaut Club offers science and nature exploration programs for girls and gender minorities ages 9 - 18 in the Maritimes at a pay-what-you-can rate. All programs are led by womxn in STEM, and include hands-on, in-person summer programs in Nova Scotia, and monthly online events.

Technovation Girls



Technovationnb@gmail.com
Instagram: @technovationgirlsnb
Facebook: Technovation Girls NB

Technovation Girls is an international educational not-for-profit organization and they are starting a branch in Saint John NB. Technovation Girls NB teaches how to solve problems using technology. Working virtually in teams of up to 5 members, the girls will identify and solve a problem in their community by building a mobile app. Along the way they will develop their collaboration, problem solving, and leadership skills. And of course have FUN!

GIRLS FOCUSED

Canadian Association for Girls in Science

GirlsInScience.ca

Facebook/Twitter/Instagram:

@GirlsInScience



Do fun, hands-on virtual activities with REAL EXPERTS like making crystals with a chemist, ice cream with a food engineer, germinating seeds with a biologist, and more! Expert on Demand sessions available for fun, hands-on, live virtual classroom sessions, virtual parties, and more!

Island WISE at CBU



Islandwisecbu@gmail.com

macquarrieresearch.ca/island-wise

Twitter: @CBU_WISE

Facebook.com/CBUWISE

ISLAND WISE is a program designed to bring STEM to young girls and women across all of Cape Breton Island. Specifically, IW promotes early education of young women, in science and engineering; provides accessible and exemplar role models and mentors in informal and formal settings, provides networks and identify solutions for encouraging young women to pursue science and engineering careers and provides the opportunity for hands on learning and educational successes.

WISEatlantic



WISEatlantic@msvu.ca

WISEatlantic.ca

Twitter/Facebook/Instagram:

@WISEatlantic

The Women in Science and Engineering – Atlantic Region (WISEatlantic) program aims to shift gendered STEM stereotypes. We empower girls to consider Science, Technology, Engineering and Math (STEM)-based careers by raising their awareness of the diversity of jobs within these fields, and enabling them to visualize themselves working in these fields. WISEatlantic also supports early career women in STEM through professional development and networking opportunities.

RACIAL MINORITY YOUTH

Diversity of Nature



Melanie.massey@dal.ca
Diversityofnature.com

Diversity of Nature is an educational outreach group for Black, Indigenous, and people of colour (BIPOC) youth. They are currently seeking BIPOC participants (Grades 10-12) for their overnight field expedition, where students will learn about ecology and the outdoors in a camp-style, cost-free experience, with BIPOC mentorship. One participant will receive a \$2000 university scholarship! They're accepting registrations at www.diversityofnature.com.

Two-Eyed Seeing Camp



two-eyed-seeing-camp@msvu.ca
Website: NSERC Promo-Science Two-Eyed Seeing Project
Facebook: Two-Eyed Seeing Camp
Instagram: @twoeyedseeingcamp
Twitter: @TES_Camp

This program and its co-creations are guided by the principles of Two-Eyed Seeing (TES). TES was developed by Elders Albert and Murdena Marshall and Professor Cheryl Bartlett to highlight the differences and similarities between Indigenous Knowledge and Western Science and opportunities for co-learning and creativity. They co-create hands on activities for Mi'kmaw youth, with partnering communities. Each year they offer a week-long camp with Sipekne'katik First Nation, Acadia First Nation, and Pictou Landing First Nation. Throughout the year (between camps), they offer resources and activities for teachers interested in including Two-Eyed Seeing in their classroom(s).

Imhotep's Legacy Academy



Imhotep@dal.ca
Dal.ca/imhotep
All platforms: @ImhotepsLegacy

Imhotep aims to redress the under-representation of African Canadians in post-secondary STEM studies. They support African Canadian learners' success in these fields by promoting the skills and attitudes necessary for academic achievement, career, and life goals. ILA offers programming to students at three levels of their education junior high, high school, and university.

LGBTQ+ IN STEM

Queer Atlantic Canadian Stem (QAtCanSTEM)



Qatcanstem@gmail.com
Qatcanstem.github.io
@QAtCanSTEM

Queer Atlantic Canadian STEM (QAtCanSTEM) is a visibility and community building project aiming to enhance diversity, equity, and inclusion for Queer folks in STEM across the Atlantic Provinces (& Beyond!) QAtCanSTEM's primary goals are to enhance visibility and representation, and build a community for Queer folks in STEM. They do this primarily through the organizing of an annual conference which highlights the amazing STEM work done by Queer folk in the Atlantic Provinces.

AFTER HIGH SCHOOL RESOURCES

Canadian Black Scientists Network



Can.blacksci@gmail.com
BlackScientists.ca
Twitter/Instagram: @CanBlackSci
Facebook.com/CanBlackSci

The Canadian Black Scientists Network exists to elevate, make visible, celebrate and connect Black Canadians in STEM across sectors. They work to increase the flow of Black youth into STEM, highlight Black STEM researchers and practitioners in Canada, and ensure their success.

New Boots (New Brunswick)



Info@mapsws.ca
Facebook: New Boots - Progressing Women in Trades / Nouvelles Bottes
Twitter & Instagram: @NbNewBoots

New Boots is a provincial network and resources hub that supports and mentors girls and women who are either considering a career in non-traditional trade, a student enrolled in a skilled trades pre-employment program, a registered apprentice, or a certified journeyman. Their services include: connections to a network of females working in skilled trades, mentoring from experienced tradeswomen, resources, tools, and referrals to appropriate workforce support, such as employment leads and resume building.

AFTER HIGH SCHOOL RESOURCES

Dalhousie Women in Engineering

Dalhousiewie@gmail.com

Dalwie.com

Instagram: @dalwie

Twitter: @dalhousiewie

Facebook: Dalhousie Women in Engineering



The Dalhousie Women in Engineering (WIE) Society advocates equality for women within the engineering industry in both academia and professional practice. They aim to overcome the gender gap by hosting outreach events, professional development sessions, skill building workshops and support system initiatives.

Dalhousie Women in Technology Society



Wits@dal.ca

Instagram & Twitter: @dalwits

Facebook: @Dal.WiTS

The Dalhousie Women in Technology Society supports female-identifying and gender minority students in computer science through mentorship, community, and networking opportunities. They welcome members of any gender and have a focus on breaking down gender barriers while creating a safe place for women to be themselves.

OTHER RESOURCES

Math Circles



Mathcircles@dal.ca

NSmathcircles.ca

Twitter: @NSMathCircles

Nova Scotia Math Circles is a mathematics outreach program run out of Dalhousie University and funded by Eastlink. They do interactive class visits and hosts monthly talks (both online, currently). Through these we strive to reach students from all backgrounds and spark a love of math. In past years, NS Math Circles has contributed to the AARMS Girl Guides event at Dalhousie and has done a workshop with the Generation 1 Leadership Initiative. They will continue to reach these and other groups, with the goal of bringing all students into the Math Circle!

OTHER RESOURCES

Brilliant Labs



Brilliantlabs.ca

Facebook: @brilliantlabslabosbrillants

Twitter: @brilliant_labs/@labos_creatifs

Instagram: @brilliant.labs

Brilliant Labs is here to support creativity and innovation throughout Nova Scotia classrooms and communities. They offer materials, funding, training, and supports for innovative projects and makerspaces. They can help support the learning of coding, robotics, AI, multimedia, bio-making, rapid prototyping, IoT, 3D design and printing, and more!

Skills Canada- Nova Scotia



Info@skillsns.ca

Twitter/Instagram: @Skills_NS

Facebook/LinkedIn: Skills Canada- Nova Scotia

Skills Canada - Nova Scotia (SCNS) is a non-profit organization that provides youth the opportunity to explore careers in skilled trades and technologies. They do this by offering programs and competitions in skilled trades and technologies throughout the province.

SuperNOVA



Supernova@dal.ca

Twitter/Instagram: @SuperNOVAatDal

Facebook/LinkedIn: SuperNOVA at Dalhousie University

bit.ly/SuperNOVAYoutube

SuperNOVA is a not-for-profit initiative of Dalhousie University that promotes STEM in Atlantic Canada. They offer innovative and engaging workshops, camps and clubs that provide rewarding experiences in STEM and nurture life-long exploration, creativity, and academic achievement. They also offer teacher training to build confidence in classroom STEM.

STEAM PEI



amber@steampei.com

Facebook and Twitter: @steampei

STEAM PEI is a non-profit organization on Prince Edward Island whose mission is to inspire young Islanders to pursue learning and careers in STEAM fields by fostering their curiosity and confidence through engaging experiential learning opportunities.



ABOUT WISEATLANTIC

Website: wiseatlantic.ca **Contact:** wiseatlantic@msvu.ca

The Women in Science and Engineering – Atlantic Region (WISEatlantic) program is based at Mount Saint Vincent University, funded by the university and The Natural Sciences and Engineering Research Council of Canada (NSERC). The WISEatlantic program spans all the Atlantic provinces.

We hope this brochure is useful as you guide your students and/or children.

