STEM forGIRLS

May 2021

STEM CAREERS UNBOXED

Spotlight: Physical Sciences

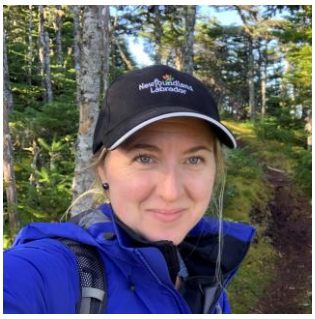
Physical Science Professionals include a wide array of individuals including, physicists, astronomers, chemists, geoscientists, oceanographers, meteorologists, and climatologists. Each of these fields examine non-living systems and inanimate natural objects.

This month we will be looking at electromagnetism, geology, and chemical reactions during a special Science Odyssey event series.

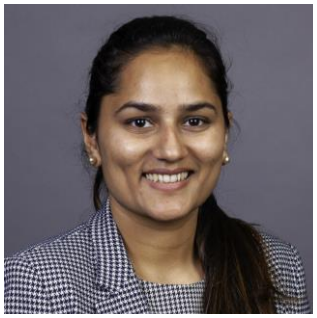
Whether you are intrigued by the chemistry of baked goods, want to do something about bees vanishing, fancy yourself the inventor of teleportation, or want to map the planet's greatest geological features, you will need to tap into the physical sciences.

Click through the links provided here to learn more and join us May 10-14th to participate in hands-on learning experiences, career exploration activities, and interact with professional women working in STEM-related fields!

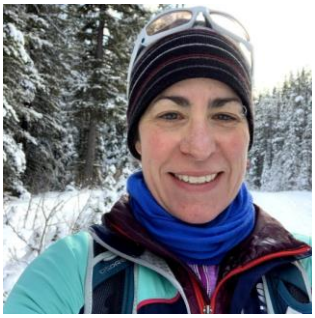
Physical Science Role Models



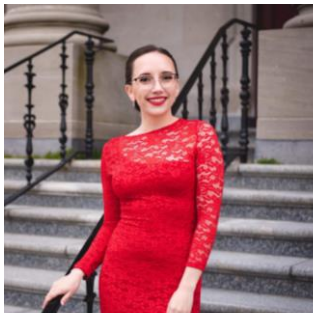
Amanda McCallum – Geologist



Seerat Virk – Organic Chemistry Doctoral Researcher



Michelle Saquet – Exploration Geologist



Courtney Harnum – Systems Planning Engineer

Click on the Role Model's picture to learn about her STEM career.

Post-Secondary

Bachelor of Science at Memorial offers 24 majors, including Biochemistry, Chemistry (Biological, Computational, or Core), Earth Sciences, Nutrition, Oceans Physics, and Physics (also available at Grenfell Campus).

Marine Institute also offers a range of diplomas and bachelor degrees, including Ocean Mapping (video).

Complete co-ops with CNA in Chemical Process Engineering Technology or Geomatics/Surveying Engineering Technology.

Upgrade any of these at the end of your program with a post diploma to become a sought after specialist such as Geographic Information System (GIS) Applications Specialist.

Science Odyssey

We're celebrating Science Odyssey May 10-14th with a series of physical science demonstrations in geology, physics, and chemistry. Role models will be on hand all week to answer questions about their careers and postsecondary experiences, plus - Career and Employment Specialist Lisa Roestenberg explores how to do career research when the possibilities seem endless.

Events will be released daily, May 10th-14th, and will be available as recordings post-session. But if you want to get started – look up "Tiny Dancers" on YouTube to make a homopolar motor!

We want to thank NSERC's PromoScience for supporting STEMforGIRLS programming and events throughout the year.

STEM forGIRLS

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Sponsor Highlight

The National Sciences and Engineering Research Council of Canada funds visionaries, explorers and innovators who are searching for the scientific and technical breakthroughs that will benefit our country. They are Canada's largest supporter of discovery and innovation. They work with universities, colleges, businesses and not-for-profits to remove barriers, develop opportunities and attract new expertise to make Canada's research community thrive. They give Canadian scientists and engineers the means to go further because they believe in research without borders and beyond frontiers.