



Spotlight: Blue Economy

Thee Ocean, which consist of five basins we commonly refer to as separate entities, covers 71% of the Earth's surface and houses "99% of the world biosphere, that is the places and spaces where life exists". It also is the base for over 300,000 jobs in Canada alone, and contributes more then \$31 billion to our economy annually. The ways in which we manage and benefit from ocean resources is what we refer to as the Blue Economy.

This includes all the ways people make a living from the ocean including the mining of renewable and

non-renewable resources (oil, tidal energy, seafood, etc.), transportation of goods, tourism, carbon storage, marine conservation, and research.

There's no limit to the careers you can pursue within the blue economy. The Oceans Technology Council of NS has an excellent career webpage which can help you do labour market research including with median salary expectations and work prospects for careers such as marine biologist, naval architect, oceanographer and many more.



STEMforGIRLS Role Models



Kate McLeod – Naval Architect Technologist, BMT Canada



Oliva Smith - Ocean & Naval Architectural Engineering, Husky



Lois Bragg – Project Technologist, Poseidon Marine Consultants



Sareddy Xiomara Escobar Gonzalez – Drilling Engineer, Husky Energy



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

Post-Secondary



There's no limit to the careers you can pursue within the blue economy, so neither are there limits on what post-secondary programs will get you there.

A great place to start though is Canada's most comprehensive centre for education, training, applied research and industrial support for the ocean industries. The Marine Institute provides more than [20 industry-driven programs](#) ranging from technical certificates to master's degrees. In addition to undergraduate and graduate degrees, the Institute offers advanced diplomas, diplomas of technology and technical certificates.

Watch the announcements in the Clubhouse Lobby for the date and time of our next LIVE Q&A – this time we've invited MI to come tell us about their many programs. Make sure you get your questions in advance or during for gamification points!



Ocean School (Virtual)



The first step to a sustainable blue economy is getting deep into the details of the ecosystem. Explore the [North Atlantic](#) and then head into the [open ocean](#) to learn about health habitats, protecting populations, evolving ecosystems and marine migration. Each video has an activity at the end – you'll earn 10 gamification points for each completed up to 100 gamification points! That's enough gamification points [adopt a Great White Shark](#) this month! Which you can track in real time along with fur seals, and sea turtles with the help of the [Ocearch Tracker](#).

Check out this digital, interactive book about the [Blue Economy](#) to get more information on "blue careers" and take part in more fun activities.

Sponsor Spotlight

Canadian-based integrated energy company headquartered in Calgary.; the third largest Canadian oil and natural gas producer, the second largest Canadian-based refiner and upgrader, and unites high-quality and low-cost oil sands and heavy oil assets with extensive midstream and downstream infrastructure.

Husky is committed to maximizing value by sustainably developing assets in a safe, innovative and cost-efficient manner, integrating environmental, social and governance considerations into their business plans.



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