

Tantramar Regional High School Climate Change Education Adventure

Monday, February 3, 2020 (Storm Date February 4) ~ Grades 9-10 at 8:20am ~ Grades 11-12 at 10:10am
Hosted by EOS Eco-Energy & the Chignecto Climate Change Collaborative



Dear Students and Staff,

EOS Eco-Energy is a local environmental organization that coordinates the Chignecto Climate Change Collaborative (CCCC), a network of 90+ experts working on climate change and adaptation issues in the border region. We'll be coming to TRHS on February 3rd to talk about local climate change impacts and projects. This is a special chance for you to learn more about your local region.

Who's coming to TRHS?

This session is a chance to meet local experts including biologists, planners, GIS analysts, researchers, environmentalists, municipal staff, emergency measures coordinators, and many more. Talk to experts in a variety of fields like renewable energy, wetlands, nature, waste reduction, watershed monitoring, emissions reduction, emergency preparedness, health and wellbeing and more. Learn what local experts do, how they are working to make our region more resilient in the face of climate change, and how you and your school can get involved.

What is climate change?

Climate change can be confusing! The earth's climate has changed before but this time humans are contributing due to the burning of fossil fuels (eg. oil heat, coal power plants, gasoline for transportation, etc.), deforestation, certain agricultural practices, etc. Human-caused greenhouse gases are collecting in the atmosphere like a blanket, trapping more of the sun's heat and warming the planet faster than normal. Our climate depends on a delicate balance and a small temperature increase is putting things out of whack, resulting in changes in global climate. Climate dictates what regions are warmer, cooler, wetter, drier. It is not day-to-day weather. When we look at weather patterns over many years, that is when we start to see changes in our normal climate.



What climate change impacts are affecting the Tantramar area?

- Increasing annual temperature and longer drought periods
- Increasing precipitation (but it's falling less often and in more intense events)
- Increasing frequency and severity of storms and coastal storm surges
- Sea level rise
- Inland (freshwater) flooding
- Find out more about these when we come to visit!

What's the difference between mitigation and adaptation?

These are common terms used when discussing climate change. Mitigation means slowing down climate change by reducing or eliminating the greenhouse gasses we produce. Examples are using less power, using solar power, riding your bike or driving an electric car, as well as planting more trees, buying less, reusing things, reducing consumption, etc. Climate change is already here though so we also need to adapt. Adaptation means changing some of the ways we live to deal with the challenges (like preparing emergency kits for storms, planting rain gardens, etc.) and also taking advantage of opportunities (like a longer growing season).

What does climate change look like in Tantramar?

Start learning more by watching this video about sea level rise and what local people are doing about it. https://www.youtube.com/watch?v=qw5RcMUlQsu&feature=emb_logo



What can I learn about when the CCCC visits?

You'll get a chance to hear about the CCCC in general and then you can pick at least 4 of the following stations to hear presentations, engage with experts, get up close with a variety of equipment and tools, learn about volunteer and experiential learning opportunities, and how TRHS can get more involved in local climate change projects.



Which presentations will you choose? Visit at least 4 and get your 'Passport to Climate Action' stamped and be entered to win draws for amazing prizes! **See you in February! - The CCCC**

	Booth/ Presentation Name	Presenter Contact Info (feel free to reach out)
Green Infrastructure	Town of Sackville Municipal Adaptation Projects & Flood Mitigation	Jamie Burke, Manager of Corporate Projects, Town of Sackville j.burke@sackville.com 364-4930
	Saltmarsh Restoration	Nic McLellan, Research Biologist, Atlantic, Ducks Unlimited Canada N.mclellan@ducks.ca 902-667-8726
	How Wetlands Help Reduce Flooding	Adam Campbell, Head of Conservation, Ducks Unlimited Canada A.campbell@ducks.ca 902-667-8726
	Nature Based Solutions	Adam Cheeseman, Director Conservation, Nature NB adam.cheeseman@naturenb.ca 506-588-6539
	Mapping Climate Risks and Adaptation	James Bornemann, Geomatics Manager, SE Regional Service Comm. james.bornemann@nbse.ca 364-4712
Citizen Science	Weather Monitoring and Citizen science	Dan Matthews, Dorchester EMO danwmattthews45@gmail.com
	Watershed Management and Monitoring	Kelli-Nicole Croucher, Watershed Coordinator, EOS Eco-Energy Water.eos@nb.aibn.com 536-4487
	Climate Change, Birds and Citizen Monitoring	Liza Barney, Education Coordinator, Birds Canada lbarney@birdscanada.org 364-5089
Waste & Emissions	Community-Based Emission Reduction Projects	Lauren Clark, Energy Coordinator, EOS Eco-Energy energy.eos@nb.aibn.com 536-4487
	Local Renewable Energy	Eric Tusz-King, President, Beausejour Renewable Energy beausejourcoop@gmail.com 536-4487
	Zero Waste Bulk Food Co-op in Sackville?	Sabine Dietz, Consultant, Aster Group sabine.dietz@astergroup.ca 536-7560
Emergency Preparedness	Sackville Emergency Measures and Storm Preparedness	Craig Bowser, EMO and Fire Chief, Town of Sackville c.bowser@sackville.com 536-4988
	Port Elgin Emergency Measures and Storm Preparedness	Terry Murphy, EMO, Port Elgin portly68@gmail.com
	Cumberland Emergency Measures and Ham Radio	Mike Johnson, Cumberland County EMO Coordinator mjohnson@cumberlandcounty.ns.ca Jim Langille, WestCumb Ham Radio Club, jimvejib@gmail.com
Wellbeing & Resiliency	Climate Change Survival Skills and Community Resiliency	Amanda Marlin, Executive Director, EOS Eco-Energy eos@nb.aibn.com , 536-4487
	Climate Impacts on Health	Tracey Wade, Project Consultant, NB Dept of Health Tracey.Wade@gnb.ca
	Invasive Species, Ticks and Lyme Disease	Alexandra Foley-Eby, Dr. Bett Lloyd's Tick Lab, MTA, vlloyd@mta.ca
Government Role	Climate Change Education and Curriculum in NB	Dr. Mike Fox, Geography & Environment MTA mfox@mta.ca 364-2440
	Mayor's Roundtable on Climate Change	John Higham, Mayor, Town of Sackville j.higham@sackville.com 536-4930
	Coastal Infrastructure and the Dykes	Claude Robichaud, Manager Marshlands, NB DTI Claude.Robichaud2@gnb.ca 381-0235
	NB Government's Climate Action Plan	Prativa Pradhan, Adaptation Analyst, NB DELG Prativa.Pradhana@gnb.ca (506) 453-3700

Chignecto Climate Change Collaborative

