

# A+ for Energy Professional Development Program

August 28-29, 2023

## **From Inside Education**

[Teacher Professional Development](#) - If you enjoyed your experience with us, why not join us for some more teacher professional development :)

[Classroom Resources](#) - Continue your natural resource education journey with classroom resources - search by topic and grade level on our website.

[Classroom Presentations](#) - **No-cost!** Offered from November - April throughout Alberta, we can visit your class and spark some creative discussions around natural resource topics.

[Youth Summits](#) - Youth Summits provide a no-cost opportunity for Alberta high school students to learn together with teachers and peers in a dynamic conference environment. *Regenerate 2024* is scheduled for March 7-10, 2024, and will showcase the places, people, and projects that are shaping our forested landscape in Alberta.

[A+ for Energy Grant](#) - Here's another opportunity to implement an environmental learning project at your school. With the spotlight on energy, here's a chance to engage your students in developing and designing an energy related project and to promote energy awareness amongst their peers. Application Deadline - mid May annually. Open to teachers in Western Canada

[YouTube Channel](#) - Subscribe to Inside Education's YouTube channel to access the past 20 years of videos that we have created! Webinar Wednesday streams, short "how-to" videos and video series can all be viewed here.

## **From Teachers/Participants**

[Mrs. Arsenault Nerdy World of Science](#)

- Twitter: @SciGeekJulie
- Instagram: @mrs\_as\_nerdy\_world\_of\_science
- TikTok: @mrsarsenault
- [YouTube Channel](#)

[New Myrnam School Energy Projects](#)

[Awkward Aquaponics YouTube Channel](#)

[Cochrane High School ROAMS Program](#)

[PD Program Teacher Workshop Summary](#)

## **Speakers/Organizations we heard from on our tour:**

- [ENMAX Wind Farms](#)
- [Southgrow Regional Initiative](#)
  - Kim Welby, *Director*
    - 403-849-1754
    - [edo@southgrow.com](mailto:edo@southgrow.com)
  - [Alberta's Energy Landscape presentation slides](#)
- [Village of Stirling](#)
  - Trevor Lewington, Mayor
    - 403-330-3701
    - [lewington@stirling.ca](mailto:lewington@stirling.ca)
  - [Stirling Information Brochures](#)
  - [Ridge Utilities](#) - (Em)Powering Local Communities
    - Customer Care: 403-308-8850
    - Email: [customercare-ridge@utilitynetservices.ca](mailto:customercare-ridge@utilitynetservices.ca)
- [Lethbridge Biogas](#)

## **Energy Organizations with Great Resources (ones we did not hear from)**

- [Indian Resource Council](#)
- [Canadian Natural Resources Limited](#)
- [Pathways Alliance](#)
- [Cenovus](#)
- [Pembina Pipelines](#)
- [Future Energy Systems](#) - University of Alberta
- [Pembina Institute](#)
- [Alberta Energy and Minerals](#)
- [Terrapin Geothermics](#)
- [Shell Quest](#)
- [Metis Crossing](#)
- [Blatchford Community](#)
- [Change for Climate - City of Edmonton](#)
  - [Edmonton's Energy Transition](#)
  - [Climate Change Adaptation](#)
  - [Neighbouring for Climate](#)
  - [Edmonton's Climate Change Almanac \(projected climate changes\)](#)
  - [A Tiny Explanation - Climate Change Adaptation](#)
  - [A Tiny Explanation - Energy Efficiency](#)
  - [Climate Resilient Home](#)
  - [Climate Conversations Teacher's Guide \(grade 7-12\)](#)
- [Careers in Energy](#)
- [GeoLearns](#)
- [Energy Council of Canada](#)
- [Enhance Energy](#)
- [Alberta Municipalities](#)
- [Youth Climate Lab](#) - Climate Intersectionality

- [ConocoPhillips - Girls Talk Tech](#) - STEM Careers
- [North American Young Generation in Nuclear](#) - Nuclear Energy
- [Transition Accelerator](#) - Hydrogen
- [Efficiency Canada](#) - Energy Efficiency
- [InnoTech Alberta](#) - Carbon Capture Innovations
- [Solar Car Team - University of Calgary](#)
- [Re-Electric Car Team - University of Calgary](#)
- Vertex Resource Group- Bird Sweep (Discovering Environmental Careers in the Virtual World)
- [SAIT](#) - Innovation in Education in the Water & Energy Space
- [Energy Futures Lab](#)
- [Net-Zero, Innovation, and Sustainability Podcast](#) - Spartan Controls
- [Wood Buffalo Environmental Association](#) - environmental monitoring data from Fort McMurray Area

## **Additional Classroom Resources**

[Relay Education](#) - Wind Turbine Design Challenge

[Green Learning](#) - Re-Energy (Electrifying the Future)

[iDesign Solution - DIY Fuel Cell Classroom Pack](#)

[Alberta Tomorrow](#) / [Canada Tomorrow](#) - A simulator that allows students to take part in sustainable land-use planning. The simulator uses real-world data, and comes with lesson plans to guide students through the use of the simulator.

[The Climate Game: Can you reach net zero by 2050?](#)

[What's Going On in This Graph?](#)

[Careers: Next Generation](#)

[People for Environmental and Energy Literacy](#) - information, lesson plans and educator training to help you support Alberta students in becoming well-informed in climate science, clean energy technologies and sustainability principles.

[Energyeducation.ca](#) - Created by a team at the University of Calgary. This website serves as an encyclopedia of energy and electricity related information.

[EnergyIQ](#) - This energy education program teaches Canadians about growing demand, the energy mix, emerging technologies, regulatory requirements and much more.