

Energy Educators Groups and Activities Showcase December 19, 2018 Workshop

Alberta Council for Environmental Education (ACEE) with GreenLearning Canada

- Energy Revealed - <https://www.abcee.org/energy-revealed>
- Energy Revealed is a national learning initiative that brings real-world energy monitoring and management into the hands of students, teachers and facility managers.
- GreenLearning develops the learning activities and ACEE delivers the program in Alberta
- Contact: Susan McKeague – susan@abcee.org

Alberta Tomorrow

- <https://albertatomorrow.ca/>
- The Alberta Tomorrow simulator is an educational tool that helps you understand the process of sustainable planning to balance land-uses such as agriculture, oil and gas and forestry with ecological integrity. By looking at past and present landscape imagery, you will be able to see changes that have taken place in the past.
- Contact: Jennifer Janzen - jjanzen@alces.ca

Green Calgary with Open Streets Events

- Powering Our World - <http://www.greencalgary.org/generation-green/powering-our-world/>
- Classroom presentation - Offer students a hands-on and experiential exploration of how electricity is generated and supplied. Students will gain insight into the technology, production, consumption, conservation and impacts of electricity systems. Students engage in four interactive stations: magnetic induction, solar panel, bike generator, LED/Incandescent wattage meter comparison
- Energy Revolution Fair – a one-day pop-up field trip in conjunction with the City of Calgary Mayor’s Expo to engage students in topics of renewables, efficiency and climate change.
- Contact Green Calgary – Energy Revolution Fair: Stephanie Aleksuk - stephanie@greencalgary.org; School Programs: Deb Graza – deb@greencalgary.org
- Contact Open Streets Events: Gerald Wheatley - gerald.wheatley@gmail.com

Inside Education

- Inside Education provides teachers with the means to venture far beyond their teaching objectives. We empower them to inspire and engage young stewards by incorporating environmental and natural resource education into their classrooms.
<http://www.insideeducation.ca/>
- Electricity Classroom program – From wind turbines to coal-fired power plants our electricity landscape is shaped by natural resources. Examine electricity from a Canadian perspective and learn how electricity is made, moved and connected to how we live, work and play.

- Cooperation, Action, Responsibility, Education (CARE) package and classroom presentation - Over 28 items help students explore simple yet effective ways to conserve energy and water and reduce waste and learn about energy and climate change.
- Contacts: Kathryn Wagner – kwagner@insideeducation.ca and Kate Tucker – kate@insideeducation.ca

People for Energy and Environmental Literacy (PEEL)

- PEEL has 12 different online lessons geared for different age groups from grade 3 to 12 as well as many teacher workshops - <https://www.teachpeel.ca/>
- Contact: Paula McGarrigle – pmcgarrigle@solasenergyconsulting.com OR Christine Avey – christineavey9@gmail.com

Relay Education

- Relay delivers renewable energy education programs in classrooms and communities across Canada – creating systemic change for a greener future and fostering the next generation of renewable energy leaders - <https://www.relayeducation.com/>
- Offers in-class workshops, design challenges and more.
- Contact: Rebecca Swanson – Rebecca@relayeducation.com

STAR EcoWorks

- <https://www.star-ecoworks.com/schools>
- The program encourages inquiry and provides information and insights into the global challenge of energy poverty. Through engagement in the workshop and assembly of solar powered LED lanterns, participants begin to challenge and become empowered to undertake personal and collective action.
- Activity: Engagement & Education Focused on the Global Access to Energy Challenge – demonstration of the difference in energy requirements and lighting output between kerosene and LED lighting.
- Contact: Steve O’Gorman – sjogorman@gmail.com