

Renewable Energy Education Day

Cowessess Community Education Centre

Date: November 13, 2019

Agenda

Objective:

- To introduce students to renewable energy as an alternative power form, specifically wind and solar power (*Science*)
- To introduce students to careers in technology and construction (*Career Ed*)
- To share information with the student on the projects Cowessess Ventures Ltd is working on (*Community*)
- Approx 80 students Grade 6 -12

Grade Number of Students	Grade 12/10 (10) & (11)	Grade 11 (20)	Grade 9 (15)	Grade 8 (11)	Grade 7 (20)
7:30 - 9:30	Presenters Travel from Regina to Cowessess				
9:30 – 9:55	Presenters Set up				
Break 5 mins	Work through break			Break 5 mins	Break 5 mins
9:55 – 10:35	Relay Education Solar Plug in the Sun Workshop	Relay Education Solar Plug in the Sun Workshop	Skyfire Energy Solar Demo	Sask Construction Safety Association	Elemental Energy
Break 5 mins	Work through break		Break 5 mins	Break 5 mins	Break 5 mins
10:45 – 11:30	Relay Education Solar Plug in the Sun Workshop	Relay Education Solar Plug in the Sun Workshop	Sask Construction Safety Association	Elemental Energy	Skyfire Energy Solar Demo
11:30- 12:10	Relay Education Solar Plug in the Sun Workshop	Relay Education Solar Plug in the Sun Workshop	Elemental Energy	Skyfire Energy Solar Demo	Sask Construction Safety Association
Break Lunch					
12:45 – 1:40	Elemental Energy/ Skyfire Energy Solar Demo	Sask Construction Safety Association	Relay Education Solar Plug in the Sun Workshop	Relay Education Solar Plug in the Sun Workshop	Relay Education Solar Plug in the Sun Workshop
1:45-1:55	Break	Break	Work through break		
1:55 – 2:45	Sask Construction Safety Association	Elemental Energy/ Skyfire Energy Solar Demo	Relay Education Solar Plug in the Sun Workshop	Relay Education Solar Plug in the Sun Workshop	Relay Education Solar Plug in the Sun Workshop
2:50 – 3:10	Solar Car Race Off – Closing Comments from Chief Delorme and Jessica				
Buses at 3:20.					
3:30 - 4:00	All Presenters Move to the Gym for Evening Session				
5:00 – 6:10	Relay Education – Energy 101 and Solar Car Building/ Skyfire Solar Display				
6:00 – 6:30	Supper Break - KFC				
6:30 – 6:40	Solar Powered Car Race				
6:40 – 7:10	SaskPower – Home Energy Efficiency				
7:00 – 8:30	Elemental Energy and Cowessess Ventures – 10 MW Solar Project Information				

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School Planning Comments (10:00-3:30)

- Cowessess Community Education Centre (CCEC) – has a hot lunch program – Natasha can you confirm there will be enough lunch for approximately 10 additional people. We are happy to cover the additional cost of these meals. Melanie or Natasha you can send me an invoice for this additional food if you like.
- We will need access to 3 classrooms for each of the three presenters to set up in (SCSA, Skyfire and Elemental). Relay Education will occupy the gym. CCEC can you confirm there be power point projectors set up in each of the 3 classrooms and the gym.
- This year we won't do an opening ceremony with everyone together in the gym....but rather we will dive right into the sessions as individuals groups at 9:55 and we will do one closing ceremony as a whole group at the end of the day.
- We want this to be a fun and interactive day for the students to get them excited about Renewable Energy. Could CCEC turn this into a school spirit day – ask every to wear “Green” to support our green energy initiative. Could the school make some posters to this effect to send home with the kids to let them know its “green” day.
- At the end of the day I would like the kids to have a Race Off and show us which solar design works the best. Chief Delorme and Jessica will bring closing comments before bus as well
 - o It would be fantastic if there was some way to get the group of kids who have the best solar design, to come have a Race Off at the evening session against the solar cars that the adults build.
 - o Natasha do you have any ideas on how we could communicate this fun opportunity to the kids and parents in advance of the event – so that parents bring their kids back
- Presenters are asked to bring some “swag” for the kids, maybe like a pen for everyone and then a couple large items (shirts, water bootles, lanyards, itunes gift cards, etc) that can be entered in as door prizes. There could be prizes given for participation in the class session and then one bigger prize that could be a door prize at the end of the day.
- Presenters please be sure to have some form of engaging information for the kids, so not just standing at the front speaking:
 - o A combination of powerpoint, videos and activities are encouraged.
 - o Get the kids to brainstorm what they know about your topic prior to the session starting and then doing a debrief at the end of what they have learn
 - o Handouts with questions they need to answer following the presentation for a chance to win one of your door prizes
 - o Word puzzles or word searches they can do as take aways.

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Evening Planning Comments (5:00- 8:30)

- Posters for this event and a newsletter have been hand delivered to each residence on Cowessess. So our target audience number is 100.
- Relay Education (5:00 – 6:10)
 - o will be providing a basic adult education on renewable energy
 - o will be facilitating a short solar car building activity with participants
- Skyfire Energy (5:30 – 6:00)
 - o Will be bringing large solar panels for people to see up close, as well as inverter components, etc
 - o Will put up the Energy Monitoring information from the Cowessess site and talk about solar production and trends using Solar Edge app on the big screen.
 - o Will talk about the steps to installing net metering solar projects, i.e on buildings
 - o Cory LaValley to talk about his experience working in the industry.
- I don't expect everyone will participate in Relay's Solar Car building activity... so I thought while some of the participants break off to build the cars with Relay's Guidance (5:30-6:00), that then Skyfire could jump in and provide additional details noted above.
- After the supper break then we can come back and have participants "race" their solar powered cars. With any luck the kids from the day session can bring their cars and race off against the adults (6:30 - 6:40)
- SaskPower (6:40 – 7:10)
 - o Talk about how it is easier to reduce consumption than build new generation to offset carbon footprint.
 - o SaskPower to provide tips and tricks for home owners to be more energy efficient.
 - o Talk about the future of renewable energy in the Province and how communities like Cowessess can participate.
- Elemental Energy and Cowessess Ventures Ltd (7:15 – 8:30)
 - o Present information on 10 MW project
 - o Share information on Community Energy Specialist Job posting
 - o Share information on Solar PV Installer Training – Skyfire to help give some feedback on this since Cory took this training in 2018.
 - o Hand Out Door Prizes

If any of the presenters have ideas on how to increase the day or make it more interactive and valuable for the community (additional presenters, additional equipment or displays on site, etc) we would welcome that. Please provide your feedback.

Please call me if you have any questions.

Cheers
Jessica Nixon