

## CWSF 2011 - Toronto, Ontario



### Melissa Renn

#### Le pouvoir solaire

**Challenge:** Energy

**Category:** Intermediate

**Region:** Tri-County

**City:** Yarmouth, NS

**School:** Yarmouth Junior High School

**Abstract:** Pour améliorer un chauffe-eau solaire, la forme de la tôle galvanisée dans le collecteur solaire a été modifiée pour créer une nouvelle conception. La forme de la tôle galvanisée régulière (deux angles de 90 degrés) a été comparée à une parabolique, la seule variable étant la forme de la tôle galvanisée et il a été trouvé que la nouvelle conception est plus efficace.

#### Biography

Hi, I'm Melissa Renn, age 14 and attend grade 9 french immersion in Yarmouth Nova Scotia. I'm Trilingual and speak Spanish, English and French. I have participated in two Regional Heritage Fairs. My topics were "My father's Background" and with my twin sisters' assistance the "History of Port Royale" complete with period costumes for which we received the Honourable Laurier L. Lapierre Medal. I've been participating in science fairs since 2009 with "La Batterie de Citron" (2009) and the following year "L'Energie du vent" (2010) which I received four awards including a trip to Peterborough for the CWSF. This is my second year at CWSF. My project is "Le Pouvoir Solaire" which received the Gold medal and Renewable Energy award at the Tri-County Regional Science Fair. I love reading, swimming and playing music. I play flute in the Junior High Band and enjoy being a team player. I have my Bronze Medallion in Lifesaving. My life is busy, but I like to have time to spend with my family and enjoy watching movies together. I love traveling because I learn about different places and cultures and can visit my families who reside in Ontario and South America.

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
[www.youthscience.ca](http://www.youthscience.ca) / [info@youthscience.ca](mailto:info@youthscience.ca)  
416-341-0040