

## ESPC 2007 - Truro (Nouvelle-Écosse)



### Laura Simandl

#### Contribution to Sustainability in Cement and Coal Production

**Division:** Génie et sciences de l'informatique / Aucun

**Catégorie:** Junior

**Région:** Vancouver Island

**Ville:** Victoria, BC

**École:** St Margaret's

**Sommaire:** The Quinsam Coal Mine rejects are a valuable resource. They have ideal proportions of major oxides for high-quality cement production and contain between 6MJ and 12.5MJ of energy per kilogram of rejects. Their use would extend the life of the mine, reduce waste piles, and provide a reliable source of raw materials and energy savings for cement producers. The industry, society and environment would benefit.

#### Biographie

I have a strong interest in sciences, particularly in engineering and earth sciences. I am really excited about participating in the 2007 Canada-wide science fair. I have participated in the Regional Science Fair (Victoria) for several years. This has been very beneficial to me because I learned a lot about many scientific disciplines through my own experiments and exposures to other projects. I am an outgoing person with a positive attitude, and I like challenges. Outdoors activities and sport teams, such as camping, hiking, soccer and field hockey are a huge part of my life. In my spare time, I enjoy reading and drawing wild life.

#### Prix

#### Valeur

Bourse d'études de l'Université Western Ontario	1 000,00 \$
Médaille de bronze - Bourse de début d'études de 1 000 \$	
Commanditaire: Université Western Ontario	
Médaille de bronze - Sciences de la terre et de l'environnement	300,00 \$
Junior	
Commanditaire: Pétro-Canada	
Total	1 300,00 \$