

## CWSF 2012 - Charlottetown, Prince Edward Island



### Kyle Lefort

#### An Efficient Solution to "Free" Hot Water

**Challenge:** Innovation

**Category:** Senior

**Region:** Strait

**City:** Chéticamp, NS

**School:** Cape Breton Highlands Academy-Education Centre

**Abstract:** The purpose of this project was to design a heating system component that would extract and reuse energy lost through the walls of a chimney. Once a reduced-scale working-model of the system was developed, tests were conducted and projections were made to determine how much money a household would save with a full-sized version of the system installed.

#### Biography

My name is Kyle John Lefort, I'm a grade 11 student at Cape Breton Highlands Academy and this is my second year at the Canada Wide Science Fair. I love sports and I'm an athlete on my school's soccer, cross country running, volleyball, basketball, table tennis, badminton, and track and field teams. I'm also the Vice President of the Cape Breton Highlands Academy Student Council.