

## CWSF 2013 - Lethbridge, Alberta



### Kyle Lefort

#### An Efficient Solution to Free Hot Water

**Challenge:** Energy

**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 student in my final year at Cape Breton Highlands Academy and this is my third year at the Canada Wide Science Fair. I love sports and I'm an athlete on my school's soccer, cross country, volleyball, basketball, table tennis, and track and field teams; I'm also the President of the Cape Breton Highlands Academy Student Council.