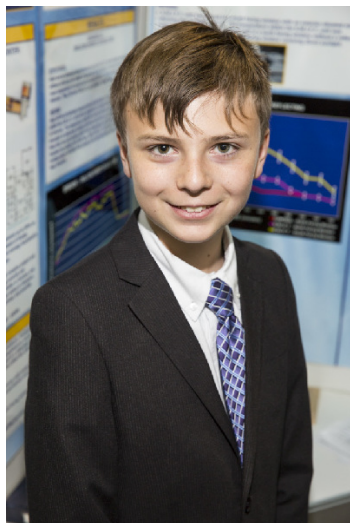


## CWSF 2015 - Fredericton, New Brunswick



### The S.W.I.F.T. Unit - Putting Heat and Electricity Where You Need It!

**Challenge:** Resources

**Category:** Junior

**Region:**

**City:** ,

**School:**

**Abstract:** The Solar Window Insulating Furnace Technology or S.W.I.F.T. Unit was developed to insulate windows against heat loss, generate electricity and also to heat rooms. The S.W.I.F.T. unit was found to be an inexpensive method of heating rooms in a house which do not have equator facing windows and therefore not heated through passive heating. The S.W.I.F.T. unit is a self energized, robotically controlled system.

Awards	Value
Challenge Award - Resources - Junior Sponsor: Youth Science Canada	
Excellence Award - Junior - Gold Medal Sponsor: Youth Science Canada	\$250
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$4 250