

## CWSF 2009 - Winnipeg, Manitoba



### Bryce Ehman, Kayla Oberg

#### Extra Pane Big Gain

**Division:** Health Sciences / Environmental Innovation

**Category:** Senior

**Region:** Southeast Saskatchewan

**City:** Weyburn, SK

**School:** Weyburn Comprehensive School

**Abstract:** This project deals with an installation of an add-on pane to a regular triple pane window. The add on pane has heat being convected through it. This add on pane acts as a climate control so instead of the temperature against the house pane being maybe -25 our design will modify it to be warmer. This will reduce heat transfer loss.

#### Biographies

Bryce - Hey, My name is Bryce and I live in Weyburn, Sk. I enjoy playing almost every sport especially hockey, volleyball and dirt biking. I am a member of my school's S.T.A.R.S. Show Choir that is performing on Parliament Hill for the Canada Day Celebration this summer. I also am involved in my school and community by volunteering primarily with an at-risk children charity centre in my city called, "The Family Place" where I work as a mentor for the children and also sit on the Board of Directors. This is my first Canada Wide Science Fair and I am looking forward to learning all about the new innovations and meeting new people.

Kayla - Hey my name is Kayla. I am from Weyburn, SK. I was on the committee to plan the 2008 Saskatchewan Student Leadership Conference where I had the privilege of designing all the logos which went on t-shirts, brochures, and backpacks. I participate in the W.C.S. S.T.A.R.S. show choir, as well I have traveled with our football team for the past two years as the trainer. I am also a lifeguard and am looking forward to start teaching lessons this spring! Last summer I volunteered with the "Out and About" program in Weyburn which is a camp that provides special needs children with fun experiences and some one on one friendship. I also volunteer w...

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
www.youthscience.ca / info@youthscience.ca  
416-341-0040