

CWSF 2007 - Truro, Nova Scotia



Evan Watters

Hot Pants - Recycled Polyester Insulation

Division: International / None

Category: Junior

Region: Annapolis Valley

City: wolfville, NS

School: King's-Edgehill School

Abstract: This project measured the effectiveness of loose-fill and batt insulations made out of used polyester clothing. Resistance to heat loss was determined for these homemade insulations, plus cellulose loose-fill and fiberglass batt, using a homemade test box. The polyester fleece batt was the most effective at reducing heat loss. Recycled polyester insulation is more user-friendly, and diverts used clothing and PET bottles from landfills.

Biography

I currently attend King's Edgehill School, which is located in Windsor, Nova Scotia. At my school, we participate in sports every day except Wednesdays. This year I chose to play soccer, basketball and baseball. On Wednesdays, our school has cadets. Each year, with our school cadet corps, I participate in special Remembrance Day ceremonies. I also take part in the Terry Fox run. Some of my favorite things to do in the summer are playing tennis, swimming, biking and camping. I love listening to music and I am in my second year of electric guitar lessons. I like spending time with my dog, Seamus. Last year I attended the CWSF in Quebec. As well, I received an award for having the highest average in grade 7.

Awards

Value

Renewable Energy Award - Junior Sponsor: Ontario Power Generation	\$500
Honourable Mention - Physical & Mathematical Sciences - Junior Sponsor: Encana Corporation	\$100
Total	\$600