

CWSF 2009 - Winnipeg, Manitoba



Tegan Wiebe

It's Time to Make a "Radon" the Basements

Division: International / Environmental Innovation

Category: Senior

Region: North Channel

City: Blind River, ON

School: W.C. Eaket S.S.

Abstract: The project was an experiment to determine the most effective and efficient system used to remove radon from basements. A model home was built and tested using carbon dioxide gas to gather comparative results. Building a sub-slab filled with gravel and using a fan to create a negative air pressure within the sub-slab was the most effective system.

Biography

My name is Tegan Wiebe and I am currently a grade 12 student at W.C. Eaket. Next year I will hopefully be attending the University of McGill to begin an education for a career in architecture. I hope to eventually study or work abroad, as I discovered my love of architecture on a family trip to Norway. My passions are vast and numerous. I enjoy mountain biking, tennis, basketball, photography, and playing the piano. In the past two years I have competed at the OFSAA level for tennis and the NOSSA level for long jump in track and field. I also am a leader for the community youth group and I volunteer in a program that talks to grade 7's and 8's about peer pressure.

Awards

Value

CAP Physics Prize - Senior Sponsor: Canadian Association of Physicists	\$1 000
Dalhousie University Faculty of Science Entrance Scholarship Senior Gold Medallist - \$4000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$4 000
UBC Science (Vancouver) Entrance Award Senior Gold Medallist - \$4000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$4 000
The University of Western Ontario Scholarship Gold Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
University of Ottawa Entrance Scholarship Senior Gold Medallist - \$20,000 Entrance Scholarship (\$5,000 each year for 4 years) Sponsor: University of Ottawa	\$20 000
Gold Medal - Physical & Mathematical Sciences - Senior Sponsor: Encana Corporation	\$1 500
Total	\$32 500