

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