

# CWSF 2006 - Saguenay, Québec



## Adam Robarts

### Harnessing Wind Energy

**Division:** Health Sciences

**Category:** Junior

**Region:** Toronto

**City:** Mississauga, ON

**School:** University of Toronto Schools

**Abstract:** Building a wind turbine from common materials, I examined three hypotheses exploring the relationship between propeller size, wind speed, motor voltage and energy extracted from the wind. This experiment shows how simple wind energy use is, how critical "clean" energy is, and explores the practical concerns of turbine design.

Awards	Value
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Engineering - Junior Sponsor: Youth Science Foundation Canada	\$700
Total	\$2 200