



CWSF 2011 - Toronto, Ontario



Catch the Windy Wave to \$ave! Phase Two

Challenge: Energy

Category: Intermediate

Region: City: School:

Abstract: This project examined the effectiveness of wind turbines by testing eleven

independent variables to optimize revolutions per minute (rpm) and voltage produced. These findings were then applied to an innovative car wind turbine design that would power a second battery, which powers interior electronics thereby lessening the strain on electric car batteries and eliminating idling emissions. This reduces the daily emissions of

greenhouse gases.

Awards	Value
Challenge Award - Energy - Intermediate	\$750
Sponsor: Youth Science Canada	
Excellence Award - Intermediate - Silver Medal	\$700
Sponsor: Youth Science Canada	
The University of Western Ontario Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Total	\$3 450



