



CWSF 2006 - Saguenay, Québec



Vladislav Ternovsky

A hole in a wing: not always a bad thing

Division: Health Sciences
Category: Intermediate
Region: Toronto
City: Toronto, ON

School: Northview Heights S.S.

Abstract: Several airfoils with endplates were constructed. Interchangeable boxes

with various shaped holes were placed at the maximum pressure difference location. Using different anemometers, airflow through the holes was observed. A classification system called CFM was made for the holes. The

device was adapted, and tested to some potential applications.

Awards	Value
The University of Western Ontario Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Bronze Medal - Engineering - Intermediate	\$300
Sponsor: Youth Science Foundation Canada	
Total	\$1 300



