

CWSF 2007 - Truro, Nova Scotia



Corey Gale, Kyle Samuel Willick

CO2 Reduction

Division: Health Sciences / Automotive

Category: Senior

Region: North Bay

City: North Bay, ON, Corbeil, ON

School: West Ferris S.S.

Abstract: Our project proposes a possible solution to the issue of environmental damage by CO₂. After extensive research, we were able to design and fabricate an apparatus capable of reducing the CO₂ emitted by any vehicle, regardless of make or model. After fabricating the device, we were able to quantitatively test the effectiveness of the device and concluded that our prototype reduced CO₂ emissions by 8.3%.

Biographies

Corey - I'm a grade 12 student at West Ferris S.S. in North Bay, Ontario. As a member of our school's Student's Council, I'm responsible for writing/directing/filming/editing a series of videos that the entire student body views at school pep rallies. These innovative videos are designed to promote student participation in school activities and sport teams. In terms of academics, I have always been a "high achiever". I have received a number of academic awards, including the highest graduating average in grade 8. Currently, I have a not-too-shabby average of 93%, and plan to accept my offer to McMaster University for BioMedical Engineering. Once I ha...

Kyle Samuel - I am a grade 12 student at West Ferris Secondary School in North Bay, Ontario. I have enjoyed many great experiences, both academic and not. One especially notable example is being the Chief Engineer on a community based FIRST robotics team, winning 2 Canadian regionals among many other awards and attending World Championships all 3 years I participated. I have also competed in national mathematics competition since Grade 6 and have achieved numerous awards, from over 8 certificates of distinction to 2 COMC provincial medals to the Canadian honour roll in 2004 and 2005. I have also been invited to several international math camps, and recentl...

Awards

Value

Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 000
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Automotive - Senior Sponsor: AUTO21	\$700
Total	\$4 200