CWSF 2015 - Fredericton, New Brunswick

Michael Wolfe

Wi-Tricity

Challenge: Innovation
Category: Junior
Region: Bay Area
City: Burlington, ON
School: Trinity Christian School
Abstract: Wireless electricity is based on the work of many individuals such as Nikola Tesla and Michael Faraday. This project explores factors affecting the transmission of wireless electricity between a transmitting and receiving coil using electromagnetic induction. Experiments examining transmission through different materials, varying coil distances and rotations were conducted. I am very excited about the possible applications of this technology for the future.

Biography
My name is Michael Wolfe and I am a grade 7 student at Trinity Christian School in Burlington, Ontario.My favorite subjects are Math and Science . I have two pets, a dog named Lassie and a cat named Misty. I am 12 , have a passion for discovery and I very excited to participate in the Canada Wide Science Fair. In my spare time I take karate and am working my way up to a black belt. Also I'm working on experiments in my science lab. My grandfather, engineer and inventor introduced me to Nikola Tesla's work on wireless transmission. I am really interested in wireless electricity technology and those individuals who have contributed to the field of electromagnetism. (Tesla,Faraday, Maxwell etc). I can't wait to experiment more and find more fascinating results!

Awards	Value
Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	
Western University Scholarship Silver Medallist - $2000 Entrance Scholarship Sponsor: Western University	$2 000
Total	$2 000

Youth Science Canada
PO Box 297
Pickering ON L1V 2R4
www.youthscience.ca / info@youthscience.ca
416-341-0040