

## CWSF 2010 - Peterborough, Ontario



### Christian Genova, Philip Genova

#### How Outdoor Solar Lighting Really Impacts the Environment

**Division:** Health Sciences

**Category:** Junior

**Region:** Toronto

**City:** Toronto, ON

**School:** St. Antoine Daniel C.S.

**Abstract:** This project compares the performance of both outdoor hard wired L.E.D. lighting and solar charged battery operated L.E.D lighting as well as the impact to the environment. In our conclusion, we proved that hard wired is a better choice than solar charged because of the excellent performance, brightness, low cost to operate, and does not have any batteries to dispose of or replace.

#### Biographies

Christian - I am a grade 7 student at St. Antoine Daniel in Toronto. I am a twin in a family of 6. At school, my favourite subjects are math, science and physical education. I have won "Virtue of the Month" for "Forgiveness" and for "Peace" at my school. I participate in the school fundraiser called "Me to We". On my spare time I enjoy skateboarding, biking, rollerblading and movie nights with my family. I am currently enrolled in Bronze Cross for swimming and on my way to being a certified lifeguard. I am also a member of Toastmasters - Youth Leadership Program in Toronto. When I am older I am interested in the fields of Science, Law, Veterinary Medicine ...

Philip - My name is Philip Genova. I am 12 year old twin with another brother and 1 younger sister. I am a grade 7 student at St. Antoine Daniel School in Toronto. My favourite subjects are Math and Science. I am part of fundraising for the Me to We Committee at school. In December, I was awarded the "Virtue of the Month" award for "Charity". On my spare time I enjoy swimming, skateboarding, movie night with my family and playing with my friends. I am currently part of Toastmasters - Youth Leadership Program in Toronto. When I grow up I am interested in the fields of Science, Medicine, Animals and Gourmet Cooking.

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