

# CWSF 2011 - Toronto, Ontario



## Greg Borschneck

### Solar Cycle

**Challenge:** Innovation

**Category:** Junior

**Region:** Frontenac, Lennox & Addington

**City:** Glenburnie, ON

**School:** King's Town School

**Abstract:** The goal of my innovation was to build a solar powered vehicle that could be used for commuting and enjoyment . I have designed and built a zero emission carbon fiber e-trike. Pedaling or a solar charged electric motor can power the E-Trike. It has a range of 40 kilometers using battery power only.

### Biography

Greg is fourteen years old and lives in Kingston, Ontario, where he attends Grade 8 at King's Town School. Some of his favourite things to do include playing soccer, swimming and going for hikes with his family and two Golden Retrievers. Greg enjoys, tinkering with his remote control cars, and helping his dad in the workshop. Future plans include studying sciences at University, after high school. Inspired by a chance meeting with the Queen's University Solar Team three years ago, Greg began to think of practical uses for solar powered vehicles. Research and planning for the Solar Cycle began last fall and it has taken lots of hard work and patience to complete. He would like to thank his family and Mr. Jamie Macdonald, his teacher mentor, for their support with the project.

### Awards

### Value

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|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Excellence Award - Junior - Bronze Medal<br>Sponsor: Youth Science Canada                                                                 | \$300          |
| The University of Western Ontario Scholarship<br>Bronze Medallist - \$1000 Entrance Scholarship<br>Sponsor: University of Western Ontario | \$1 000        |
| <b>Total</b>                                                                                                                              | <b>\$1 300</b> |