

## CWSF 2011 - Toronto, Ontario



### Richard Arthurs

#### The Solar Cell Movement

**Challenge:** Energy

**Category:** Intermediate

**Region:** Winnipeg Schools

**City:** Winnipeg, MB

**School:** Grant Park High

**Abstract:** This project is an experiment to see how well solar tracking works in less than optimal conditions (trees and buildings in the way). I test a home-built, small scale solar tracking solution and I compare the power output to a stationary panel over the course of a day.

#### Biography

I have been participating in science fairs since grade seven. I have tried to make all of my projects have an electronics component to them. I dabble in electronics as a hobby, and my friends and I have competed in the Manitoba Robot Games four times. I particularly enjoy combining hardware and software, and robots! I like running, biking and skiing, and I'm on my school's track team. I am an AP student and I hope to go to university one day to study engineering.