

CWSF 2009 - Winnipeg, Manitoba



Jordan Ho

More Solar Power

Division: Engineering & Computing Sciences / Environmental Innovation

Category: Junior

Region: Toronto

City: Scarborough, ON

School: Churchill Heights P.S.

Abstract: Solar cells provide renewable electricity, but their efficiencies are less than 25%. A parabolic reflector increases the efficiency, but it requires a tracking device to follow the sun, increasing the overall cost. A prototype reflector that improves the efficiency of solar cells by 12.5% over the entire year was constructed. The reflector is easy to manufacture, requires no maintenance and fits on existing solar panels.

Biography

Hi. I'm Jordan, a 12 year-old somebody currently attending the grade 8 gifted program at Churchill Heights Public School in Scarborough, Ontario. My school is great because all the teachers are exceptionally exceptional, and all the fun, games, and jokes that infect our school with the disease called laughter. I joined the Senior Band, Stage Band, and Intermediate Choir. I play alto and tenor saxophone, violin, and piano. I enjoy arranging, composing, improvising, playing, listening, and sleeping to good music. I've been going to the Programming Enrichment Group at Woburn Collegiate Institute after school since Grade 6 for programming, math, and loads of fun. I play badminton every Saturday. In the summer, I go swimming everyday, and cycling in the evening. I like stuffing myself with good food; I eat excessive amounts of whatever tastes best. I am obsessed with movies; in general, one per week. I once watched seven in a row in the holidays. (Notice the lack of computer games in the list.) When I grow up, I want to be a doctor; more specifically, a neurologist or a cardiologist. I'm looking forward to the CWSF in Winnipeg, and I hope to have the time of my life.

Awards

Value

The Actuarial Foundation of Canada Award - Junior	\$500
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Environmental Innovation - Junior Sponsor: EnviroExpo, Presented by VIA Rail Canada	\$300
Silver Medal - Earth & Environmental Sciences - Junior Sponsor: Petro-Canada	\$700
Total	\$4 000