

CWSF 2008 - Ottawa, Ontario



Jennifer Standen

A Greener Road

Division: International / Environmental Innovation

Category: Intermediate

Region: Simcoe County

City: Wasaga Beach, ON

School: Pretty River Academy

Abstract: This project studied the absorption of radiant energy on different colored surfaces placed over an asphalt surface. The findings were extrapolated to illustrate the potential impact on climate change achieved by changing the color of road surfaces. The lighter colored surfaces were found to lower the energy absorption rate and resulted in a reduced rise in temperature.

Biography

Jennifer Standen is a grade 10 student at Pretty River Academy in Collingwood, Ontario. She has been a Pretty River Academy student since grade 7. Her life in the United States and the United Arab Emirates prior to this has been instrumental in the development of her global outlook on the world. Jennifer has always had a keen interest in science, ecology and the environment. Her career goals reflect these passions as she plans to become a primatologist. Jennifer is an accomplished equestrian and is also very interested in the dramatic arts. Jennifer has competed successfully at the Simcoe Regional Science Fair twice previously and is proud to represent her school and county this year at the Canada Wide Science Fair.

Awards

Value

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| The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario | \$1 000 |
| Bronze Medal - Physical & Mathematical Sciences - Intermediate Sponsor: Encana Corporation | \$300 |
| Total | \$1 300 |