

CWSF 2011 - Toronto, Ontario



Nathan Euteneier

The Solar Tracker

Challenge: Energy

Category: Intermediate

Region: Prairie Valley

City: Kronau, SK

School: Greenall School

Abstract: The solar tracker is a solar panel that turns to follow the sun, without using any electronics. Two solar ovens are used to collect heat from the sun which uses thermal expansion of a liquid to compress air pushing on a piston to help the solar tracker follow the sun.

Biography

My name is Nathan Euteneier. I am 14 years old and in grade 9 at Greenall High School in Balgonie, SK . I live on a grain farm near Kronau, SK. I help around the farm doing anything from fixing and operating the equipment to cleaning the bins. I play school basketball as well as community ball. During my spare time I like to camp or swim, I generally like being in the outdoors. The games I like to play are mainly logic games. I belong to a youth group at my local church and am usually involved in its weekly activities. In school, my favourite subjects are math and science. I like working with my hands, taking apart and rebuilding stuff like small engines and laptops. I also enjoy snowmobiling in the winter and quading in the summer. I enjoy reading and hanging out with friends. Once I graduate high school I plan in going to university to become an engineer or a veterinarian.

Awards

Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Total	\$1 300