

# CWSF 2013 - Lethbridge, Alberta



## Tristen Franc, Shelton Paul

### Wind Energy

**Challenge:** Energy

**Category:** Intermediate

**Region:** Prince Albert & Northeast Saskatchewan

**City:** Prince Albert, SK

**School:** Carlton Comprehensive High School

**Abstract:** This project focuses on the generation of electricity using wind turbines. A wind turbine is a device that harnesses the winds energy which is converted to mechanical energy. It then drives an electric generator which produces electrical energy. Wind turbines could be the breakthrough needed for renewable power production to sustain communities for a life time while producing clean, cost efficient energy for everyone.

### Biographies

Tristen - I attend grade 9 and live on a farm in Saskatchewan. My family and I have 25 cows and I am involved in the 4-H beef program. I have won grand champion steer in my club and have many interests and love to keep busy! I am involved in competitive speed skating and am currently on the developmental long track team for the Canada Games. I attended the Canada long track championships in Manitoba and Western Canada short track championships in Alberta this year. I play high school rugby in the spring and am hoping to play on the Saskatchewan team this summer. I have many hobbies such as hunting, fishing, paintballing and building. I enjoy tinkering ...

Shelton - I attend grade 9 in Saskatchewan and live on an acreage. I enjoy the outdoors. Some of my hobbies are hunting, fishing, playing hockey at home with my friends and paintballing. I enjoy inventing and building things. I find music and playing the guitar enjoyable. Because of this I have won many trophies playing piano for eight years. My math class attended the SMTS Provincial Math Challenge at the University of Regina and I placed 10th in the individual round and my team placed 2nd and 3rd. Athletics make up a big part of my life and I play receiver in high school football and played for the city football team last year. In the past my partner...

### Awards

### Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 100</b>