

## CWSF 2010 - Peterborough, Ontario



### Gwendolyn Ough

#### Rock On

**Division:** Physical & Mathematical Sciences

**Category:** Junior

**Region:** Kiwanis Southeast Alberta

**City:** Medicine Hat, AB

**School:** Notre Dame Academy

**Abstract:** This project studied whether sweeping curling rocks significantly increases the distance they travel. The same curling rock was thrown down the ice multiple times and either not swept, swept by one person or swept by two people. The initial velocity of the rock and the total distance travelled was measured each time. The results showed that sweeping increased the distance by approximately 1 metre.

#### Biography

I was born in Kingston, Ontario and moved to Medicine Hat, Alberta November 2005. I have participated in competitive gymnastics and currently play representative (rep) indoor and outdoor soccer. I also have an interest in singing, playing musical instruments and acting. I have participated in several community (Hatterland Children's Theatre) plays and I play bass clarinet in our school's band. In the 2008 (33rd Annual) Kiwanis Regional Science Fair I placed 1st for Best Individual Grade 4-6 Project in Life Sciences, Best Overall Grade 4-6 Project in Life Sciences and Best Overall Grade 4-6 Project. In the 2010 (35th Annual) Kiwanis Regional Science Fair, I placed 1st for Best Individual Grade 7-8 Project in Physical Science, Best Overall Grade 7-8 Project in Physical Science and Best Overall Grade 7-8 Project. With all these interests, I have yet to decide on any definite career plans.