

## CWSF 2005 - Vancouver, British Columbia



### **Kelcey Pitzel, Nicola Gallagher**

#### **Winding the Way to the Top**

**Division:** Physical & Mathematical Sciences

**Category:** Junior

**Region:** Sudbury

**City:** Sudbury, ON

**School:** R.L. Beattie P.S.

**Abstract:** This project endeavours to explain the correlation between the number and length of blades on a windmill relative to the power that a windmill would generate. A design using string and a winding mechanism was utilized to test the hypothesis that longer blades and larger surface area would be more effective.