

# CWSF 2018 - Ottawa, Ontario



## Jordan Kurtzweg

### Turbines ? It's a Wind Win

**Challenge:** Energy

**Category:** Intermediate

**Region:** Southeast Alberta

**City:** Foremost, AB

**School:** Foremost School

**Abstract:** Wind is a vital free resource we need to take advantage of. I tested a wind turbine model to see what blade angle produces the most electricity. The benefit is once the best angle for a windspeed is known it can be applied on any scale. This can help people in remote or underdeveloped countries maximize their turbine electrical output in a financially sustainable way.

#### Biography

My name is Jordan Kurtzweg & I'm a Grade 9 student at Foremost School. I'm the President of our Junior High Student's Union. I enjoy Science (especially Physics), Language Arts, and Math. I'm very active in my local 4H club, where I raise & show steers. I have won 1st place at 4H speak-offs for the past 3 years at both the club & district levels. I take piano & violin lessons. In my local church, I am on the IT team & a student leader in the youth group. My favorite hobbies are reading & doing research. I enjoy skiing, swimming, & living on a farm with my 3 younger brothers. I have attended the regional science fair for 3 years. This year I won the Intermediate Silver award & the HatSmart Energy Award. I look forward to attending the CWSF for the first time!

#### Awards

#### Value

Renewable Energy Award - Intermediate	\$750
Sponsor: Ontario Power Generation	
<b>Total</b>	<b>\$750</b>