

## CWSF 2015 - Fredericton, New Brunswick



### Jaquayne Mighty, Rhyz Abella

#### Fuel of the Future

**Challenge:** Energy

**Category:** Junior

**Region:** Manitoba Schools Science Symposium

**City:** Winnipeg, MB

**School:** Red River Valley Junior Academy

**Abstract:** Climate change is problematic. It may be reversed by reducing its contributing factors. Over-reliance on petroleum is one of the main contributors. Finding an alternative fuel is the solution. We conducted an experiment to determine if the type of bakers yeast added to cornmeal and sugar beet feedstock's cause the two feedstock's to ferment differently and affect the quality and amount of ethanol yield produced.

#### Biographies

Jaquayne - I am Jaquayne (Jack-Wayne) Mighty. I am a 13 year old student at Red River Valley Junior Academy in Winnipeg. I enjoy playing sports particularly basketball and soccer. I love music and I play the saxophone. I participate in my school's Praise & Worship Team and the Creative Writing Club. I would like to pursue a career in Law. I am excited about the CWSF. While my school participates in many Science Fairs, this is the first time it will be represented at this level. Fossil fuels have made our lives easier in many ways. We were inspired to complete this project because we are concerned that the environment is being negatively affected by ou...

Rhyz - My name is Rhyz Abella. I'm 13 years old and in the 8th grade at Red River Valley Junior Academy. I was born and raised in Winnipeg, Manitoba, on August 7. My parents; Val and Romelie along with my sister Sheena, immigrated to Canada in 1994 from Philippines. In my 7 years of attending RRVJA, I have received 5 Academic Student of the Year awards and 4 Male Athlete of the Year awards. I'm maintaining a physically active lifestyle by participating in club basketball and soccer. I also express myself musically through singing in the church choir, playing saxophone in the school band. Fossil fuels have made our lives easier in many ways. We w...

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
[www.youthscience.ca](http://www.youthscience.ca) / [info@youthscience.ca](mailto:info@youthscience.ca)  
416-341-0040