

# CWSF 2009 - Winnipeg, Manitoba



## Jennine Boyce, Jessica Kuipers

### BioChar

**Division:** Engineering & Computing Sciences / Environmental Innovation

**Category:** Senior

**Region:** Peterborough

**City:** Brighton, ON, Trenton, ON

**School:** East Northumberland S.S.

**Abstract:** The purpose of our experiment was to create BioChar and study the net effects it had on both plant quality and the environment. BioChar acts as a carbon sink in soil, and enhances plant quality. BioChar also has the potential to create renewable hydrogen energy when produced through a steam reforming process.

### Biographies

Jennine - My name is Jennine Boyce and I am a grade 12 student attending East Northumberland Secondary School in Brighton, Ontario. I am a dedicated member of the The ENSS cross-country team, wrestling team and track team. I am also a member of the Kawartha Olympic Wrestling Club. I enjoy participating in Community Challenge and the Nepal fundraising Committee at my school. I am extremely excited to be embarking on a journey to West Africa, Ghana for five weeks this upcoming summer to do humanitarian aid work. I have a great passion for the development of countries stuck in poverty and plan to attend the University of Ottawa for International Developm...

Jessica - My name is Jessica Kuipers! I'm a grade 12 student at East Northumberland Secondary School, in the small-town of Brighton, ON. I love being involved in many things at my school, because it's such an amazing school to be a part of! This year I represent my school as Prime Minister of Student Government, as well as chairing the Relay for Life Student Committee, and participate in Community Challenge and Science Alliance. I play school rugby and wrestling, and ball hockey in the summers. Next year I plan to go to Ottawa University, to begin my career as a nurse! I'm also going through schooling with the military, in the ROTP. For the year of 200...

### Awards

### Value

Honourable Mention - Earth & Environmental Science - Senior	\$100
Sponsor: Petro-Canada	
<b>Total</b>	<b>\$100</b>