

# CWSF 2011 - Toronto, Ontario



## Jessie Payne, Sam Murray

### Can Algae Efficiently Convert Car Emissions Into Wholesome and Healthy Oxygen?

**Challenge:** Environment

**Category:** Junior

**Region:** Avon Maitland-Huron Perth

**City:** Bayfield, ON, Brucefield, ON

**School:** Huron Centennial P.S.

**Abstract:** Our project is about converting car emissions into oxygen, using algae. We concluded that when we filtered the car emissions through the algae in an airtight space, that the oxygen levels went up and the chemical or car emissions level went down.

#### Biographies

Jessie - I love sports. Throughout my life I have played figure skating, rep hockey, soccer, swimming, but my favorite is hockey. I have spearheaded a fundraiser which raised 3000 dollars for Haiti. I am very social and love people, i have many friends but few best friends that i trust with my life. I am not a "girly girl" or a drama queen and just like to laugh. I try out for every school sport possible and get asked to participate in others activities like the All Science Challenge at UWO(my team got 4th overall and got the spirit award), David Suzuki day, creative writing groups, the school band, main part in the school play, and the Maple Reading ...

Sam - My thirst for knowledge was shown at a very early age. Even as a young boy I was eager to learn and stumped my parents with my unique and interesting questions regarding life. I love to compete in school sports and I try out for almost every sports team. I also participate in various extracurricular activities such as the school play and the Gauss math contest and the All Science challenge. In grade 6 my All Science team came in fourth place out of around forty teams. We also won the "Spirit" award for our enthusiasm. I am one of the top students in my grade, getting a majority of "A's" on report cards. One thing numerous teachers have said a...

#### Awards

#### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
<b>Total</b>	<b>\$1 300</b>