

CWSF 2013 - Lethbridge, Alberta



Lucas Oyeniran, Joshua MacDonald

Triple E: The Cattail Way!

Challenge: Environment

Category: Senior

Region: North Bay

City: North Bay, ON, Callander, ON

School: Widdifield Secondary

Abstract: Our Project is a Triple E fuel spill absorbent product, designed for the primary intention of aiding in the clean up of hazardous hydrocarbon based spills, in hopes of replacing today's leading fuel sorbent products. This (E)nviromental, (E)conomical, and (E)fficient product is made of the cattail plants "fluff" (Typha) and is completely hydrophobic and preforms better than the leading oil-sorbent products used by industry today!

Biographies

Lucas - I am a 17 year old boy attending Widdifield Secondary School in North Bay, Ontario. In school, I am enrolled in science and math courses because I plan to become a physician in the future. Through school and extracurricular activities, I have won many honour awards and certificates. However, when I am not in school, I am playing soccer, basketball, and guitar. The inspiration for our project came from watching and reading news articles on large and small oil spills around the globe. We wanted to create a new way to clean up these spills that would be environmentally friendly, efficient, and economical! In the future we want to have large scal...

Joshua - I am a grade twelve student at Widdifield Secondary School in North Bay Ontario, With the plans of returning another year for a "victory lap", in order to take additional courses that interest me and to complete my Specialty High Skills Major in Design and Construction, and my Arts Nippissing minor in visual arts. My plans for post-secondary education will most likely entail applying to university for architecture or some form of engineering. Our inspiration for our project came about like many other ideas, the need to solve a greater problem. For our problem we wanted to tackle something environmental related because it is a very important i...

Awards

Value

Canadian Stockholm Junior Water Prize Sponsor: Canadian WEF Member Associations, the Canadian Water and Wastewater Association, and Jacobs	\$300
Challenge Award - Environment - Senior Sponsor: Encana Corporation	\$1 000
Excellence Award - Senior - Gold Medal Sponsor: Youth Science Canada	\$700
Dalhousie University Faculty of Science Entrance Scholarship Senior Gold Medallist - \$5000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$5 000
UBC Science (Vancouver) Entrance Award Senior Gold Medallist - \$4000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$4 000
University of Manitoba Entrance Scholarship Senior Gold Medallist - \$5000 Entrance Scholarship Sponsor: University of Manitoba	\$5 000
University of Ottawa Entrance Scholarship Senior Gold Medallist - \$4,000 Entrance Scholarship Sponsor: University of Ottawa	\$4 000
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Total	\$24 000

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