

CWSF 2013 - Lethbridge, Alberta



Navarre Hebb

The Little Tube that Breathes Iron

Challenge: Energy

Category: Senior

Region: Annapolis Valley

City: Billtown, NS

School: Northeast Kings Education Centre

Abstract: Geobacter can be easily extracted from riverbeds and the activity can be used for energy production. Geobacter use an unusual electron transfer system that involves the reduction of metals. This reduction can be used, along with other components of a basic electrochemical cell, to create a measurable flow of electrons. By linking many of these cells in series useful energy is produced.

Biography

My name is Navarre Hebb and I am in grade 12 at Northeast Kings Education Centre in the Annapolis Valley of Nova Scotia. I keep myself busy with many of the activities that my school has to offer and am a very prominent figure in my school. I am on Students Council, in band, chess club and I started a school FM radio station. I was selected to attend Catapult Leadership Camp and started a Catapult support group at my school. I am an avid curler, curling with my school team, youth teams and competitive adult teams. I will be spending next year in Belgium on the Rotary Youth Exchange. I will be obtaining a degree in engineering upon my return.

Awards

Value

Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	\$100
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$2 100