

CWSF 2011 - Toronto, Ontario



Jenna D'Aurizio

Battery in a Bucket

Challenge: Energy

Category: Junior

Region: Bay Area

City: Oakville, ON

School: W. H. Morden Public School

Abstract: My experiment was designed to monitor the effects of altering soil-water content on the efficiency of microbial fuel cells. I measured the voltage of three buckets of soil, each with differentiating soil-water content levels. Results showed that greater soil-water content levels produced higher voltage that lasted longer. Applications include an alternative energy source for Third World countries because the resources necessary are inexpensive and accessible.

Biography

My name is Jenna D'Aurizio. I am currently in grade 8 and enjoy participating in a variety of sports, including coaching young athletes, as well as performing with the school concert band. I am also involved with organizing many of the athletic and social events at my school as a member of many different councils. Outside of school I play competitive soccer and ref house-league. I love writing poetry and sitting down with a good book. I am excited and honoured to be representing the Bay Area at CWSF for the second consecutive year!