

CWSF 2014 - Windsor, Ontario



Can we Improve the Quality of H2O in 3rd World Countries

Challenge: Environment

Category: Junior

Region:

City: ,

School:

Abstract: Poor water quality is a worldwide problem. The purpose of my experiment was to improve the quality and accessibility of water in 3rd world countries by designing and building a solar filter pasteurization system. I compared my filter to other commercial filters using contaminated water samples then analyzed the samples. My pasteurization system was successful eliminating 100% of bacteria from the contaminated water samples.

| Awards | Value |
|---|---------|
| Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada | \$300 |
| Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University | \$2 000 |
| Total | \$2 300 |