

CWSF 2014 - Windsor, Ontario



Kelsie Emisch

Aqua Pura 2 - Water Purification With Household Materials

Challenge: Innovation

Category: Senior

Region: Northern Saskatchewan

City: Air Ronge, SK

School: Churchill Composite H.S.

Abstract: My project, Aqua Pura 2- Water Purification With Household Materials, started about two years ago, when I was learning of how many lives were being lost to natural disasters. It was my goal to build a water purification apparatus with only household materials, so the victims of the natural disaster could purify their water. I was successful in purifying contaminated water with only household materials.

Biography

My name is Kelsie Emisch. I am 16 years old and currently residing in Air Ronge, Saskatchewan. I am in grade twelve and working hard to graduate a year early. I enjoy science, music, and sports. The inspiration for my project came from seeing a lot of stories on the news about natural disasters. A large number of the victims were dying due to dehydration while waiting for rescue. This broke my heart, so I asked myself 'is there anything I can do to help these people get clean drinking water, using only materials they might have access to?'. So I set forth in designing a water purification apparatus with household materials. This year, I have continued my project from last year by testing new materials and created more effective purification apparatus'. A piece of advice I would give students inquiring on doing a science project is to do something you're very passionate about. I found that I had more drive to better my project this year because I am very passionate about it. Also, Don't procrastinate! Work hard and don't let anyone tell you it's impossible.

Awards

Value

Excellence Award - Senior - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$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