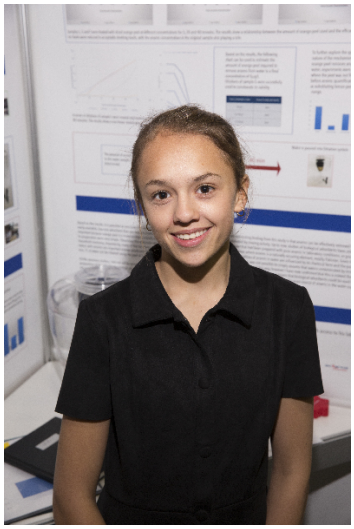
CWSF 2019 - Fredericton, New Brunswick



Emilia Oliver

Using Food Waste to Remove Arsenic from Water 2.0 ? It's All About Oranges

Challenge: Resources
Category: Intermediate
Region: Timmins
City: Timmins, ON
School: École secondaire Thériault
Abstract: Contamination of drinking water with arsenic is an important problem in several areas of the world, and many people can not afford to remove it. Last year I explored the possibility of removing arsenic from drinking water using food waste. This year I designed a household flirtation system which removes arsenic from water using dried orange peel.

Biography
I am a fourteen year old student at École Secondaire Catholique Thériault in Timmins, Ontario. In the winter I like to spend my free time snowboarding and playing hockey, and in the summer I sail all day. I also love reading, drama, travelling and trying different foods. Some day I would like to be a programmer. I was inspired to do this project after learning that people all over the world drink water contaminated with arsenic, because they have no means of removing it. I decided that I would try to develop an accessible and easy method to remove it, and it worked! This is my second time going to Canada-Wide Science Fair, and I'm really excited.

Awards	Value
Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - $1000 Entrance Scholarship Sponsor: Western University	$1 000
Total	$1 000

Youth Science Canada
PO Box 297
Pickering ON L1V 2R4
www.youthscience.ca / info@youthscience.ca
416-341-0040