



## ESPC 2019 - Fredericton (Nouveau-Brunswick)



## Biographie

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.

## **Emilia Oliver**

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

Défi:	Ressources
Catégorie:	Intermédiaire
Région:	Timmins
Ville:	Timmins, ON
École:	École secondaire Thériault
Sommaire:	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.

Prix	Valeur
Prix d'excellence - Intermédiaire - Médaille de bronze	
Commanditaire: Sciences jeunesse Canada	
Bourse d'études de Western University	1 000,00 \$
Médaillé de bronze - Bourse d'admission de 1 000 \$	
Commanditaire: Université Western	
Total	1 000,00 \$



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