

CWSF 2019 - Fredericton, New Brunswick



Monis Sayyid, Jack Sloan

The Windfall Solution: An Alternative Winter Road Treatment

Challenge: Resources
Category: Intermediate
Region: Rideau-St. Lawrence
City: Elizabethtown, ON, Lyn, ON
School: Brockville Collegiate Institute
Abstract: Using an apple brine solution made from discarded apples as an alternative, Eco-friendly and highly effective winter road treatment when compared to traditionally used road salts. In the process, also creating a bio-fuel (ethanol)

Biographies

Monis - I am a grade 9 student attending Brockville Collegiate Institute, Ontario and this is my third CWSF. In school my favorite subjects are science and math. I am also a part of many sport teams in and out of school, such as basketball, soccer, and volleyball. When I grow up I want to be either a pediatrician or a surgeon. This year our project was about using windfall/discarded apples to create an alternative road salt solution. Since we had to lower the sugar level to create our brine solution, to do this we produced ethanol as a by-product. We used many different tests to test our brine solution and found that it works better than the traditio...

Jack - I attend Brockville Collegiate Institute in Brockville, Ontario and this is my third CWSF. I play many sports including Hockey, Soccer and baseball. At school I enjoy science, math and gym, Outside of school I like to play with friends, explore and learn. When I grow up I would like to become a lawyer or a pediatrician. Overall I have a great childhood and a loving family, I'm quite the lucky kid! When we began this project we had no idea that we would end up spending a week in Fredericton and speaking with some of the greatest minds Canada has to offer. If I could give any advice to kids that will take part in future science fairs it would b...

Awards	Value
York University STEM Entrepreneur Bootcamp Scholarship Awards All categories Sponsor: York University, Lassonde School of Engineering	\$2 500
Excellence Award - Intermediate - Gold Medal Sponsor: Youth Science Canada	
Challenge Award - Resources - Intermediate Sponsor: Youth Science Canada	
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
Youth Can Innovate Awards - Intermediate Sponsor: The Gwyn Morgan and Patricia Trotter Foundation	\$750
Total	\$7 250