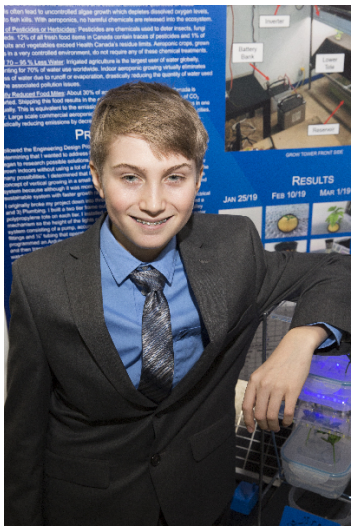
CWSF 2019 - Fredericton, New Brunswick



Mitchell Clapperton

AeroTronics ? A High Pressure Aeroponics System for Sustainable Indoor Agriculture

Challenge: Innovation
Category: Junior
Region: Bay Area
City: Dundas, ON
School: Guy B. Brown Elementary School
Abstract: AeroTronics is an aeroponics grow tower. It grows plants without soil by hanging them in air and spraying water and nutrients on the roots. This system can help solve some of the world's food supply challenges by growing crops indoors so you can grow them year round, eliminating the need for pesticides and greatly reducing the distance needed to ship produce to cities.

Biography

My name is Mitchell Clapperton and I'm a Grade 8 student at Guy B. Brown elementary school. My hobbies include building things to make them work and tearing things apart to see how they function. I enjoy playing almost all sports but my favourites are baseball, volleyball and hockey. In the summer, I work as a minor baseball umpire. Someday in the future, I think I'd like to pursue a career path as a scientist, engineer or maybe an architect. The inspiration for my project was the second United Nations goal ? No Hunger. I wanted to build an innovation that could help solve world hunger issues. The advice I would give to other students thinking about doing a project is to find a topic that you are very passionate about and start early. To build an innovation and do it well takes a lot of time. It's way easier to spend a lot of time working on it if it's a topic that you really enjoy.

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

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