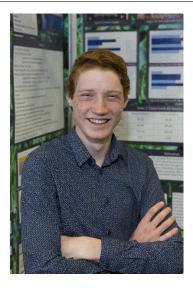




CWSF 2018 - Ottawa, Ontario



Biography

My name is Jonathon Macmillan and I attend school at South Colchester Academy in Brookfield Nova Scotia. I play lots of sports such as hockey, soccer and track and field. I also participate in 4-H, where I am taking dairy and woodworking for projects. I came up with my project idea through my extensive research on topics that intrigued me. In the future I would like to apply electro-culture technology to a commercial hydroponics setup to determine a cost to benefit ratio. I would also like to experiment with different voltage levels to see which level has the greatest positive impact on plant growth. If you were thinking about doing a science fair project I would advise you to start early and pick a topic that you really enjoy.

Jonathon Macmillan

Supercharged Salad

Challenge:	Resources
Category:	Intermediate
Region:	Chignecto West
City:	Brookfield, NS
School:	South Colchester Academy
Abstract:	In this project electricity was applied to a hydroponics system to determine if it would increase the growth of kale, a common salad green. The electrified plants were shown to have a statistically significant increase in plant height at 2 and 3 weeks and in the number of leaves over the non-electrified plants. This new technology could help meet the worlds growing food demand.

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



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