

# CWSF 2016 - Montreal, Quebec



## Allie Fraser, Brenna Martell

### Pour Some Sugar on Me

**Challenge:** Health

**Category:** Senior

**Region:** Strait

**City:** St. Peter's, NS, St. Peter's, NS

**School:** Richmond Academy

**Abstract:** The effect of glucose and stevia consumption on the overall lifespan of multiple generations of the model organism *Caenorhabditis elegans* (*C. elegans*) was investigated. A significant reduction in lifespan was shown (26%;  $p=0.003$ ) between the control and the two treatment groups. However, there was no difference in lifespan between glucose (2%) and stevia (2%) treatment groups.

### Biographies

Allie - I am a grade 12 student at Richmond Education Center and Academy who intends to pursue a career in forensic law. I'm enrolled at Mount Allison University for a bachelor of science. I enjoy playing volleyball and reading. The inspiration for this project came from a desire to help improve current health condition and trying to educate myself on the future effects of today's actions. I hope to one day expand on this project during my university career, perhaps as a thesis. My advice to other students that wish to pursue a project like this is to first accept and work within your limitations, and to realize that you're going to run into problems...

Brenna - I am currently a grade 12 student at Richmond Academy who will be attending Saint Francis Xavier University in the fall. This year I am also the president of the Interact Club at my school. We as a committee do a lot to help different causes globally and locally. Helping others has always been something I enjoyed doing which is what led me to this science fair project. Me and my partner Allie wanted to come up with a way to help people realize and understand the negative effects sugar additives are having on our bodies. After finishing this project it was clear to see that there is a lot more work that can still be done to further our investi...

### Awards

### Value

Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$2 000</b>

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