

## CWSF 2013 - Lethbridge, Alberta



### Gabrielle Molloy, Rebecca Casey

#### Effects of Coconut Oil on Alzheimer's Disease

**Challenge:** Health

**Category:** Senior

**Region:** Eastern Newfoundland

**City:** St. John's, NL

**School:**

**Abstract:** For our project, we tested the effects of coconut oil on Alzheimer's disease. We applied three different concentrations of coconut oil and two different molarities of Beta Amyloid (a plaque which is the proposed cause of Alzheimer's disease) to cortical neurons. The results conclude that coconut oil has a positive effect on the disease as there were more living cells when the oil was added.

#### Biographies

Gabrielle - My name is Gabrielle Molloy and I am a 16 year old grade 11 French immersion student at Bishops College in St. John's Newfoundland. At school I am involved with YAC (Youth Action Committee), chamber choir and International Club. Outside of school I enjoy dancing three times a week (tap, jazz and hip hop), curling competitively, practicing 3 times a week, as well as piano lessons which I have been doing for 10 years. I also enjoy volunteering in the community with MUN's food bank, at my neighborhood elementary school and teaching children ages 6-8 curling. Last year I was awarded my bronze medal for the Duke of Edinburgh program and I am currently ...

Rebecca - Hello, my name is Rebecca Casey and I am a 16 year old, grade 11, french immersion student at Bishops College in St. John's, Newfoundland. In my school, I am a part of the Chamber Choir, the International Club and the Youth Action Committee. Outside of school, I am really involved with dance and music. I do a variety of different styles of dancing four times a week (tap, ballet, hip hop, jazz and modern) and I also teach children tap! I love playing the guitar along with the ukulele and I really enjoy exploring music of different eras. In the future, I plan to attend Memorial University to study civil engineering. This year, our project won B...

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
[www.youthscience.ca](http://www.youthscience.ca) / [info@youthscience.ca](mailto:info@youthscience.ca)  
416-341-0040