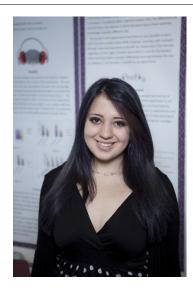




## CWSF 2013 - Lethbridge, Alberta



## Mikaela Cockney-MacNeil

## **Enhancing Conceptual Memory by Sleep Learning**

Challenge: Health Category: Senior

Region: Beaufort-Delta
City: Inuvik, NT

**School:** Samuel Hearne Secondary School

Abstract: Learning might be possible by keeping the sense of hearing active during

sleep. Thirty-two participants (ages 12 and 18) were randomly selected. The experimental group listened to a math and English audio lesson while asleep in addition to reviewing lesson notes the next day. Participants were tested after 7 days. The test scores for the experimental group were

significantly higher than the control group.

## **Biography**

Hello, my name is Mikaela Cockney-MacNeil, and I was born and raised in Inuvik, Northwest Territories. I like to figure skate and bake in my spare time. I am also very interested in psychology and sociology.

Awards	Value
Excellence Award - Senior - Silver Medal	\$300
Sponsor: Youth Science Canada	
Dalhousie University Faculty of Science Entrance Scholarship	\$2 500
Senior Silver Medallist - \$2500 Entrance Scholarship	
Sponsor: Dalhousie University, Faculty of Science	
UBC Science (Vancouver) Entrance Award	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: The University of British Columbia (Vancouver)	
University of Ottawa Entrance Scholarship	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$2 000
Silver Medallist - \$2000 Entrance Scholarship	
Sponsor: Western University	
Total	\$8 800



