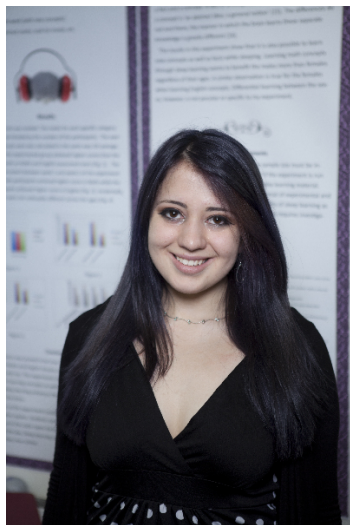


# CWSF 2013 - Lethbridge, Alberta



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