



CWSF 2017 - Regina, Saskatchewan



Anna Schwartz, Angie Redford

A "Minor" Experiment with "Major" Results

Challenge: Health Category: Senior

Region: Sunset Country
City: Fort Frances, ON
School: , Fort Frances H.S.

Abstract: The purpose of our project was to find the physiological effect that music

creates within blood glucose, blood pressure, emotional state, and heart rate. We tested all four things, changing the independent variables major and minor music, live and recorded music. After conducting our study, we found a positive correlation between live music and reduced glucose and

blood pressure, and the opposite with recorded music.

Biographies

Anna - Anna Schwartz is a

seventeen-year-old homeschooled student from Fort Frances, Ontario. Anna studies piano, singing, organ, and music composition. She has received an honorable mention at the national level of the MRMTA composition competition and has both played piano and sang at the provincial level. Her other interests include working at her local public library, playing squash, and improvising on the piano. The idea for this project came to be through Anna's experiences with music and Angie's mom being recently diagnosed with diabetes. This is Anna's first science fair project and she is honoured to have the opportunity to attend CWSF! Angie - Angie Redford is a grade 9 student at Fort Frances High School. She is 15 years old and is a sports enthusiast. She currently participates in figure skating, basketball, skiing, track and field, and this year made it to OFSAA for skiing. She also enjoys playing the saxophone and the piano. The idea for this project came to be through Anna's experiences with music and Angie's mom being recently diagnosed with diabetes. This will be Angie's second time at CWSF and she

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



is very excited to return!



