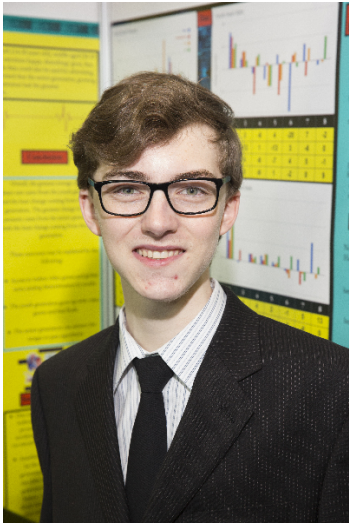


# CWSF 2019 - Fredericton, New Brunswick



## Jacob White

### Heart Rate and Blood Pressure in Correspondence to Visual Stimuli

**Challenge:** Health

**Category:** Senior

**Region:** Chignecto West

**City:** Elmsdale, NS

**School:** Hants East Rural High School

**Abstract:** This project aimed to investigate the change in heart rate and blood pressure when different age groups were shown different pictures. This pictures were meant to represent different emotions, happy, disturbing/gross, fear, and sadness. This knowledge can give a better insight to how the human race is changing over time.

### Biography

My name is Jacob White, and I'm a grade 12 student at HERH, Nova Scotia. I plan to study mathematics next year, with interests in biology, astronomy, and business. I volunteer at my local church, have taken part in fundraisers and events such as WE-DAY, and other international projects, such as education in third world countries. I contribute to local fundraisers. I have participated in over ten extra-curricular groups throughout high school, making it to provincials for badminton, table tennis, and reach for the top. I currently am working on my online business, and I am a very strong advocate for environmental causes. I'm proud that my province is the first in North America to have presumed-consent for organ donation. This project stemmed from my previous project, where I recorded changes in blood pressure and heart rate when individuals were separated from their phone while receiving texts/calls throughout generations. Further investigations on my current project would be to test more specific groups based on more factors such as race or culture. I would also expand my number of participants. Advice I would give to other students? Just do it! Don't be afraid to take the first step.

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