

CWSF 2018 - Ottawa, Ontario



Matthew McParland, Stephanie Wu

Iron Concentrations on Drosophila Birth Rates and Longevity

Challenge: Health

Category: Senior

Region: North Bay

City: North Bay, ON

School: St. Joseph-Scollard Hall

Abstract: Varying iron concentrations in diets may have different effects. The number of Drosophila births and their lifespan were each tracked to find the optimal concentration of iron consumed. The high concentration of iron (1.00 mM) had statistically significant fewer births than the control group (0.00 mM). Iron concentrations had no significance to longevity.

Biographies

Matthew - Hi, I'm Matthew McParland, a grade 12 student at St. Joseph-Scollard Hall CSS from North Bay, Ontario. I have a passion for STEM with a drive for innovation. Over the past year, I have had the opportunity to attend the SHAD enrichment program and Hack the North. Moreover, I am a member of my school's science club, band, vocal ensemble, and I help lead my school's choir. Some of my hobbies include singing, playing the trombone, hiking, ice fishing, and kayaking. I will be pursuing a degree in Civil Engineering this upcoming September to fulfill my love for math and physics, as well as my passion for geography. This science fair project was...

Stephanie - My name is Stephanie Wu and I am a Grade 12 student from St. Joseph Scollard Hall CSS from North Bay, Ontario. I plan on going to the University of Western Ontario next year to study Medical Science (BMSc). I am a member of my school's science club, band and drumline where I play the alto saxophone and bass drum. I am heavily involved with music and have my Grade 10 Certificate from the Royal Conservatory of Music and I am currently pursuing a diploma in the A.R.C.T level with piano. My partner and I wondered if the concentrations of minerals in supplements or vitamins may be incorrect which could be damaging to the human body. We then deci...

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