

CWSF 2018 - Ottawa, Ontario



Marla Malcolm, Storm Malcolm

The Effects of Caffeine on Adipogenesis

Challenge: Health

Category: Senior

Region: Manitoba First Nations

City: Ebb and Flow, MB

School: Ebb And Flow School

Abstract: Caffeine is a stimulant. A stimulant is a chemical that increases the activity of your central nervous system. Stimulants are often used for weight loss. We wanted to see how effective caffeine would be if used as a drug for weight loss. We conducted an experiment in which we exposed caffeine to fat cells to see what effect they would have on them.

Biographies

Marla - My name is Marla Malcolm, I am 16 years old and I've been working with Manitoba First Nations science mentorship program for a year and a half. The inspiration for our project was to find a healthier way to lose weight. Since Caffeine is the widely used stimulant. For further investigations I would want to try use different amounts of Caffeine, and different stimulants. For advice for the students, study hard and put your mind into it.

Storm - My name is Storm Malcolm, I'm 17 and I am a member of Ebb & Flow First Nation. I've been participating in the Manitoba First Nations science mentorship program for a year and a half. The inspiration my partner and I had for our project is that we wanted to see how caffeine affects weight loss. Our plans for further investigations is that we will use more realistic amounts of caffeine and try other stimulants. My advice to other students would be to find a mentor at a research center or a university for guidance and project ideas. All your hard work will pay off in the end.