

CWSF 2019 - Fredericton, New Brunswick



Jacob Lee

The 'Root' of the Problem: Does Ginger Relieve Upset Stomach by Raising pH?

Challenge: Discovery

Category: Junior

Region: Halifax

City: Dartmouth, NS

School: Halifax Grammar School

Abstract: There is increasing interest in using natural foods to treat medical ailments. Studies show that ginger is a safe and effective treatment for nausea caused by chemotherapy or pregnancy. Ginger reduces nausea in many ways but all mechanisms have not been fully studied. In this project, I specifically wanted to test whether ginger has antacid properties to help reduce nausea by raising stomach pH.

Biography

I am a 13 year old Grade 8 student at the Halifax Grammar School. I have represented Grammar on their Rep Soccer, Badminton and Track teams. I play clarinet in the school concert band, and keyboard for the Jazz Band. Thus far, I have won the Highest Academic Achievement Award for every grade (5-7) at Grammar. Outside of school, I am busy with competitive soccer and piano. I am currently preparing for my Royal Conservatory of Music 10 exam in piano. Over the years, I have won many Kiwanis Music Festival prizes as well as numerous auditioned scholarships at the Maritime Conservatory of Performing Arts. I have won 2 Royal Conservatory of Music Gold Medals awarded for the highest piano mark obtained in Atlantic Canada for 2015 and 2017 (RCM6 & RCM8). On the soccer pitch, my Tier-1 U13AA club team is the reigning 2018 NS Provincial Champions. I currently train and compete with my U15AAA club team as well as the Nova Scotia U14 Provincial Team. I have been selected to the NS Provincial Soccer Programme for the past 3 years. This is my first ever Science Fair project and I am very excited to get to attend CWSF.