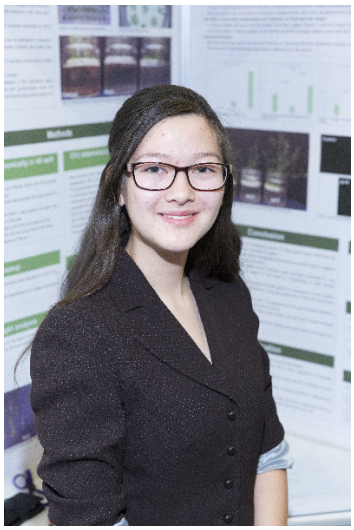
CWSF 2018 - Ottawa, Ontario



Jasmine Cheng

The Effect of Pseudomonas chlororaphis strain PA23 on Arabidopsis thaliana

Challenge: Resources
Category: Intermediate
Region: Manitoba Schools Science Symposium
City: Winnipeg, MB
School: Fort Richmond Collegiate

Abstract: Due to the increasing population, agricultural production needs to increase dramatically within the next few years. My project was looking to see if a bacteria could increase the plant growth and therefore the plant yield in hopes of producing more food without the use of more chemicals that are harmful to humans and the environment.

Biography

I am a Grade 10 student at Fort Richmond Collegiate. In my free time, I enjoy doing karate. I have been doing karate since the age of 4 and am now currently a second degree black belt. I love volunteering and when I get the chance, I enjoy reading. As for my project, my inspiration for my project stems from my mother as she has a multitude of health issues and so her diet is limited. As such, she cannot eat foods sprayed with chemical pesticides. I hoped from my research to find a way to grow agriculture with a more natural source so that my mom may eat some of her favorite foods again. Further investigations for my project include testing my results on crops used to eat, as my current research was only on a model plant. To other kids aspiring to complete a science fair project, just follow your dreams and don't give up. Although it may seem daunting at times, you can do it!