

CWSF 2012 - Charlottetown, Prince Edward Island



Samantha Cibere

Does An Electric Field Affect Plant Growth?

Challenge: Discovery

Category: Junior

Region: Greater Vancouver

City: Burnaby, BC

School: Alpha Secondary

Abstract: This project investigates how the growth of radish seeds is affected by an electric field similar to that of an approaching thunderstorm. The data suggests when a radish plant is exposed to an electric field for 1-3 hours before watering the growth rate is greater than the growth rate of the control plants (Earth's electric field) and the plants shielded from all electric fields.

Biography

My name is Samantha Cibere and I am from Alpha Secondary School in Burnaby. I love being outdoors and also watching Science Fiction shows, as well as learning new and interesting concepts in science. I have also been on the honour roll for all my elementary school years and I plan on going to university and study in the field of astrophysics. Inspiration for my project came from my interest in physics and I decided to investigate this because there was not much research done on the topic. To further this experiment I would see if a higher voltage electric field would change the growth rate. Lastly to students who are thinking of doing a project I recommend you investigate something that you are genuinely curious about and want to learn about.