

CWSF 2011 - Toronto, Ontario



Emily Faubert

New Wave Agriculture

Challenge: Discovery

Category: Senior

Region: Peel

City: Brampton, ON

School: Notre Dame S.S

Abstract: This project studied the effect of different frequencies of square wavelengths on the growth of different types of plants. The most beneficial wavelength was different for each plant and was found to be inversely proportional to the size of the plant's leaves. Knowledge of the plant's specific wavelength led to growing the plants up to four times larger than they grew naturally.

Biography

Emily Faubert is a grade 11 International Baccalaureate student from Notre Dame Catholic Secondary School in Brampton. She plays electric guitar and last year placed third in a guitar solo competition. She loves swimming and is currently working toward receiving her certification for lifeguarding. Emily is passionate about the environment and social justice, and is a member of her school's Environmental Club, World Issues Club and United Nations Club. She is also a part of her school's Girl's Rugby Team. She hopes to study Law, Criminology and English Literature in University with hopes of becoming a Journalist and the eventual goal of becoming a Science-Fiction Author.

Awards

Value

Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Total	\$2 300