

CWSF 2019 - Fredericton, New Brunswick



Guillaume Géo

Growing Plants on Mars: A Computer Simulation

Challenge: Information

Category: Senior

Region: Rideau-St. Lawrence

City: Smiths Falls, ON

School: Smiths Falls District Collegiate Institute

Abstract: Since the dawn of the 21st century, space agencies from around the globe have been planning the landing of the first humans on Mars. Once that feat is accomplished, plants will have a critical role in the survival of the newborn colony, leading to a bigger challenge: How can we possibly grow plants on Mars? Could we potentially create a simulation to anticipate the results?

Biography

Greetings dear reader, this project is brought to you by Guillaume Géo, an international student from Belgium. After graduating from high school, I decided to carve my own path by going on a journey to find the thing that would give meaning to my life. My hobbies are as numerous as the stars of the sky, which made any life-related decision very tedious. I play piano, flute, and ukulele; program in C#, C++, Python, and Swift; I am fluent in French, English, and Dutch; and as you can tell, very modest. I read a lot of documentation about space and I even have plans on becoming an astronaut! To do so, I need scholarships and bursaries to come and study in Canada. That's where the inspiration for this project came: it was my dream and my passion. I believe that my project has a lot of potential, and I would like to continue working on it on the side as I have been doing for the past year and a half. The only advice I could give to anyone reading this would be: "Don't wait for the apple to fall off the tree to get started on something you like".