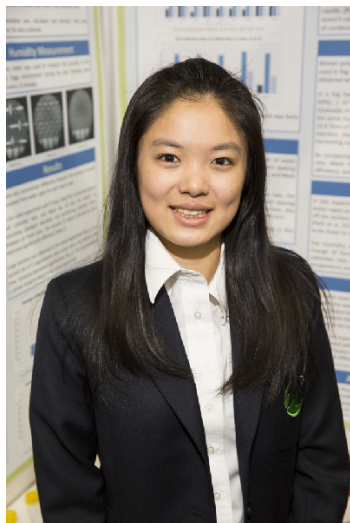


ESPC 2015 - Fredericton (Nouveau-Brunswick)



Yoyo Ding

Inmeshtigation: comparison of water vapour collection of 3 mesh sizes

Défi: Ressources

Catégorie: Sénior

Région: Greater Vancouver

Ville: Vancouver, BC

École: Crofton House

Sommaire: Fog harvesting is a technique that collects water with large mesh structures in an environment with persistent fog. To investigate the relationship between mesh size and optimal water collection, this study tested three mesh sizes in a closed system that simulated a foggy environment. Surprisingly, the middle size was the most efficient, suggesting there is an ideal mesh size to optimize water collection.

Biographie

My name is Yoyo Ding, and I am currently a grade 11 student at Crofton House School in Vancouver. I am not only a figure skater, a pianist, an artist, and a mathematician, but also a student of science. My project focuses on fog harvesting system, a topic that I found through natural phenomenon of water condensation and landed on because of its potential real-world application. Despite the lots of fascinating knowledge I have learnt through this project, going forward, I want to dig deeper in the topics related to water resource management and extend my research beyond a specific technique. Creativity is a main component of my project, and it is definitely the most valuable in terms of extending my vision beyond the boundary. If students are considering doing science projects in the future, creativity should also be taken into consideration.

Prix

Valeur

Prix du concours junior canadien au sujet de l'eau, à Stockholm Sénior Commanditaire: Les associations membres canadiennes de la WEF, l'Association canadienne des eaux potables et Jacobs	2 000,00 \$
Prix d'excellence - Senior - Médaille de bronze Commanditaire: Sciences jeunesse Canada	
Bourse d'admission de l'Université d'Ottawa Médaille de bronze, sénior ? Bourse d'admission de 1 000 \$ Commanditaire: Université d'Ottawa	1 000,00 \$
Bourse d'études de Western University Médaille de bronze - Bourse d'admission de 1 000 \$ Commanditaire: Université Western	1 000,00 \$
Total	4 000,00 \$