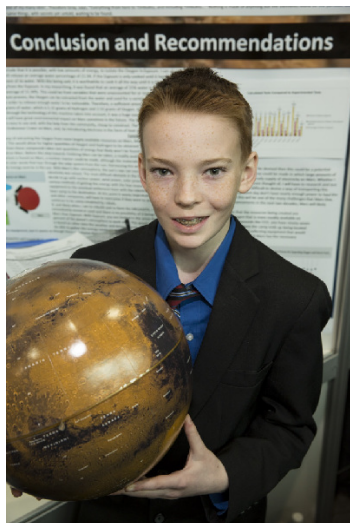


ESPC 2015 - Fredericton (Nouveau-Brunswick)



Jesse Plamondon

Breathable Rock: A Novel Approach to Isolating Oxygen in $\text{CaSO}_4 \cdot \text{H}_2\text{O}$ for on Mars

Défi: Innovation

Catégorie: Intermédiaire

Région: Northern British Columbia

Ville: Fort St. John, BC

École: Bert Bowes Jr Secondary

Sommaire: In this project, I was trying to discover a mineral that could be found on Mars, which contained Oxygen, and build a machine that could extract this Oxygen. I built this machine and used it to extract Oxygen from Gypsum, which can be found on Mars commonly, and extracted water from it. The machine then electrolyzed this water and separated it into Hydrogen and Oxygen.

Biographie

I am a grade nine student at Bert Bowes middle school and have been doing Science Fair for nearly all my life. My favorite subjects in school are Chemistry, Astronomy and P.E. I largely enjoy sports, especially basketball, badminton and hockey. The reason I did the project that I did is because I wanted to work on solving a problem bigger than myself. Also, I have always been very interested in Mars and the idea that not a single person has been on that entire planet. Although one of my main passions is Science Fair, my dream is to become an author with my books selling across the globe. I have gone to Canada Wide two times before this and they were boyhood changing experiences. I love to hang out with my amazing group of friend's whom of which I know will always be my pals.

Prix

Valeur

Prix d'excellence - Intermédiaire - Médaille de bronze Commanditaire: Sciences jeunesse Canada	
Bourse d'études de Western University Médaille de bronze - Bourse d'admission de 1 000 \$ Commanditaire: Université Western	1 000,00 \$
Total	1 000,00 \$