ESPC 2015 - Fredericton (Nouveau-Brunswick)

Kent Smith

A Possible Solution for Ionic Pollution

Défi: Ressources
Catégorie: Sénior
Région: Chignecto West
Ville: Nine Mile River, NS
École: Hants East Rural High School
Sommaire: This project focused on introducing a unique alternative for commercial eggshell disposal by creating a filter made from eggshells to reduce the potency of sulfur in contaminated water. In doing this, the project replicated on a small-scale, how areas near gypsum mines struggle with sulfur pollution.

Biographie

My name is Kent Smith. I am 17 years old, and a grade 11 student at Hants East Rural High School In Milford Nova Scotia. My hopes are to attend Saint Mary's University in Halifax. I play many sports including hockey, soccer, lacrosse and swimming. The inspiration for my project came from the poultry industry. I discovered that the eggshells from hatcheries and grading stations go to waste. My goal was to find a practical use for them. In addition, the water in my community smells strongly of sulfur, due to its close proximity to the world's largest gypsum mine. Further investigations for my project include investigating the practicality of turning eggshells into neutralizing agents for acidic bodies of water such as lakes. My advice to other students who are considering doing a project would be to find a subject that they enjoy. It makes the process more engaging. From there, try and solve a problem with your project rather that do a project that has known results.

Prix	Valeur
Prix d'excellence - Senior - Médaille de bronze Commanditaire: Sciences jeunesse Canada	
Bourse d'admission de l'Université d'Ottawa Médaillé de bronze, sénior ? Bourse d'admission de 1 000 $ Commanditaire: Université d'Ottawa	1 000,00 $
Bourse d'études de Western University Médaillé de bronze - Bourse d'admission de 1 000 $ Commanditaire: Université Western	1 000,00 $
Total	2 000,00 $