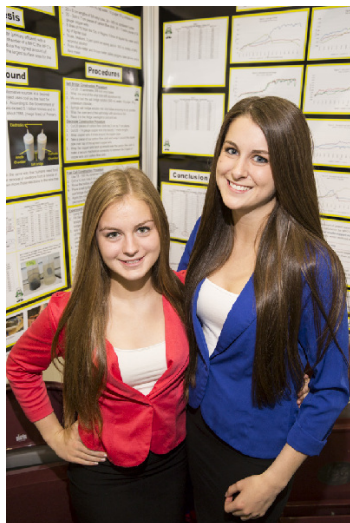


ESPC 2015 - Fredericton (Nouveau-Brunswick)



Kaylee Hayko, Kristi Hayko

A Novel Approach to Bioenergy Production Using Primary Effluent and Coal

Défi: Énergie

Catégorie: Sénior

Région: Regina

Ville: Regina, SK

École: Winston Knoll Collegiate

Sommaire: Our project optimizes power production by altering the balance of coal and waste water in a two chamber microbial fuel cell. Waste water volume was fixed and the mass of the coal in the anode chamber was set at 50g, 150g and 250g. Experimental results validated our hypothesis stating, the fuel cell with the highest amount of coal will produce the most energy.

Biographies

Kaylee - My name is Kaylee Hayko. I was born on March 23rd, 1997 and am 18 years old. I live in Regina, Saskatchewan. I'm in Grade 12 at Winston Knoll and consider myself an active individual. I've been playing volleyball for 7 years, softball for 9 years, and basketball for 12 years. Although sports are important, academics play a big role in my life. I have competed in the past three Canada Wide Science Fairs in Charlottetown, Lethbridge, and Windsor. This year, my sister and I have paired up for a second time to create a science experiment called, A Novel Approach to Bioenergy Production Using Primary Effluent and Coal, where we wanted to produ...

Kristi - My name is Kristi Hayko. I was born on June 10th, 1999 and I am 15 years old. I live in Regina, Saskatchewan and I am in Grade 10 at Winston Knoll Collegiate. I am a very active person and spend many hours on the basketball court. Although basketball is my passion, I am also involved in softball and handball. In school, I am a member of the Student Representative Council where I organize student activities and promote school spirit. Although extra-curricular activities consume the majority of my time, academics also play an important role in my life. In school, I am particularly interested in Math and Science. In the future, I hope to become ...

Prix

Valeur

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	2 000,00 \$