

ESPC 2019 - Fredericton (Nouveau-Brunswick)



Annie Bloomfield, Malcolm Cameron

Grey is the Way: Developing a Residential Greywater Treatment

Défi: Environnement

Catégorie: Sénior

Région: Strait

Ville: Antigonish, NS

École: Dr. John Hugh Gillis Regional School

Sommaire: The purpose of our project was to make household wastewater recyclable. We created a natural clarifier to treat the wastewater and used this in combination with a series of filtrations to reach our goal. Our water treatments can be used to reduce freshwater usage in houses by 26-30%. It can be used for toilets, showers, washing machines, gardening, and more!

Biographies

Annie - My name is Annie Bloomfield. I am a grade 12 student from Dr. John Hugh Gillis Regional High School in Antigonish, Nova Scotia. I will be taking Medical Science at Western University this fall. I work on a horse farm and enjoy horseback riding, dance, art, music and 4H. I also really enjoy science... I love taking a pressing issue and creating a solution for it. My partner, Malcolm, and I were very interested in experimenting with water pollution and alleviating the residential use of freshwater. Plans for further investigations would include experimenting on a larger scale and introducing a vacuum to our system to extract biodegradable sediment...

Malcolm - My name is Malcolm Cameron and I am a grade 12 student from Antigonish, Nova Scotia. In the fall of 2019, I plan to attend Dalhousie University to take Medical Sciences. I have been a competitive swimmer for 9 years, I am student council co-president of my school, and I teach kids swimming lessons. My partner, Annie, and I originally started a project to find a way to clean ocean pollution. It didn't quite work out, so we looked into household wastewater clarification. With more investigation, we hope to include a vacuum to our filtration system to extract biodegradable sediment. My advice for students thinking about doing a project would be ...

Prix

Valeur

Prix du concours junior canadien au sujet de l'eau, à Stockholm Sénior	300,00 \$
Commanditaire: Les associations membres canadiennes de la WEF, l'Association canadienne des eaux potables et Jacobs	
Total	300,00 \$