

CWSF 2012 - Charlottetown, Prince Edward Island



Justice Linklater

Making Biodiesel from Used Canola Oil

Challenge: Energy

Category: Intermediate

Region: Manitoba First Nations

City: Nelson House , MB

School: Nisichawayasihk Neyo Ohtinwak Collegiate

Abstract: The purpose of my project is to make diesel fuel out of recycled Canola vegetable oil. In the project I researched how biodiesel is produced; then set up an apparatus, and produced test batches of biodiesel by changing the chemical properties of used canola oil. Finally, the fuel was tested by burning it.

Biography

My name is Justice Linklater and I am a grade 9 student at Nisichawayasihk Neyo Ohtinwak Collegiate in Nelson House, Manitoba. I am a member of the cadet core in my community and I love to play hockey for my hobby. I received several academic and citizenship awards during my elementary and high school years. The last awards I received were a gold medal and two major awards in science fair. I plan to complete high school and do post-secondary in law in Toronto. I received the inspiration for my project from my teacher who approached me with the idea of making biodiesel. To do a project takes a lot of research and understanding of what you are doing. I am glad to be a representative of my school and community at this Canada Wide Science Fair.