CWSF 2019 - Fredericton, New Brunswick

Ritchie Googoo

Power of Plants

Challenge: Innovation
Category: Senior
Region: Mi'kmaq Schools
City: Whycocomagh, NS
School:
Abstract: This project explored the testing of Polylactic Acid filament used in a 3D printer. This design project was based on the strength of PLA produced chains and the colour filament they were printed out of. The research explored the relationship between the colour of the filament and whether a black was the strongest produced chain link.

Biography

My name is Ritchie Googoo I am a grade 11 student at We'koqma'q Mi'kmaw School. I live in a small community in Cape Breton Nova Scotia and I am a member of the We'koqma'q Mi'kmaw First Nation Band. My project is assessing the strength of chain created on the 3D printer. I chose this project while working in my Media Studies class trying out different designs on the 3D printer. I want to understand the strength of the material we were using and its environmental impact. I explored colour of the filaments used in printing but for further testing I would like to try wood filaments and different annealing methods. When you do a project that involves detailed prepping make sure you document everything your do. The Log book should be very detailed and document using pictures.