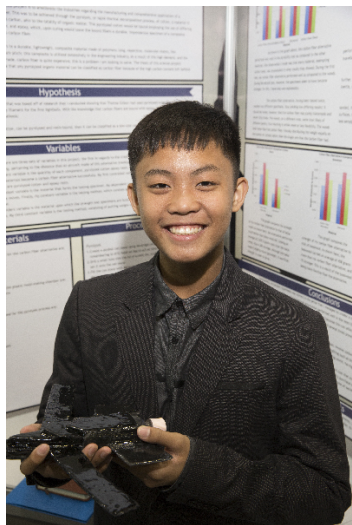


CWSF 2019 - Fredericton, New Brunswick



Jed Joharidale Borillo

Cotton Carbon Fibre

Challenge: Innovation

Category: Junior

Region: Bison

City: Winnipeg, MB

School: Holy Cross School

Abstract: In this project, I developed an inexpensive, versatile variant of carbon fiber using pyrolyzed cotton, epoxy resin, and gauze. This alternative performs extraordinarily well in durability and practicality experiments in relevancy to other materials. This is important as the rationale of this project was to ameliorate entire industries by lessening the expenses of carbon fiber, a costly material utilized amply in the engineering world.

Biography

I, Jed Joharidale Laureta Borillo, am currently an eighth-grade student attending Holy Cross School in Winnipeg, Manitoba. I am a student with copious interests chiefly in regards to those pertaining to academics, music, and becoming a medical practitioner and have held these interests from a rather young age. I am currently studying for my Royal Conservatory of Music level 9 practical examination, and am a proud member of the Winnipeg Boys' Choir Advanced Treble Chorus. If I may say humbly, a few achievements of mine include but are not limited to achieving first place in numerous piano competitions, such as the Winnipeg Music Festival and the Tauber Music Festival, and scoring the highest overall grade regarding academics in my grade. Having said that, I genuinely enjoy travelling and have been doing so since the age of 2; the age at which I had first ridden on an airplane! This is what has sparked my interest in aviation, and how to improve this industry, and the people affected by it, such as my family and me.