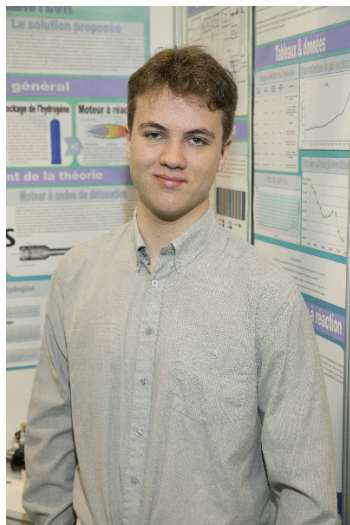


CWSF 2017 - Regina, Saskatchewan



Emeric Proulx

Hydropulsoréacteur

Challenge: Energy

Category: Senior

Region: Rive-Nord

City: Sainte-Thérèse, QC

School: Externat Sacré-Coeur

Abstract: I decided to create a system that could be used in the aerospace industry that could reduce the amount of greenhouse gases released in the atmosphere. I conceived an aircraft engine that uses hydrogen as fuel and a system for creating this fuel. My project talks about water electrolysis, solar cells, turbojets, pulsejets, programming and much more!

Biography

My name is Émeric Proulx. I come from Sainte-Thérèse, Québec. I study at Externat Sacré-Coeur in Rosemère. I am currently in secondary 5. This is my second year doing a science fair and I am more than happy to have made it to the CWSF. I have always had a great interest in science and technology. My main fields of interest are electronics, chemistry, mechanics, physics and informatics. I tried to combine these diverse interests to make a great science fair project. I think I can say I was successful at doing this. My hobbies include learning, building machines and programming. I like to think that the reason I started doing the science fair was to increase my expertise at these hobbies and simultaneously augmenting my skill in public speaking. In the future, I may try to improve my project's design and functionality to see if it has any potential to be commercialised. Next year, I will be going in a computer science program at college to further my knowledge in programming and the internet.

Awards

Value

Canadian Association for the Club of Rome Award - Senior Sponsor: Canadian Association for the Club of Rome	\$1 000
Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$3 000