CWSF 2017 - Regina, Saskatchewan

Bryce Warren

Turning Residential Water Use Into Power: Could it be a New Source of Energy?

Challenge: Innovation
Category: Junior
Region: Toronto
City: Toronto, ON
School: John G. Althouse M.S.

Abstract: Can household water usage be used as an environmentally friendly energy source? Household water flow was simulated to turn a turbine in a pipe, and tested for its viability. On average 0.132 volts and 0.000546 watts was produced per simulation. The experiment did not demonstrate viability but did show potential with improved design.

Biography

I am Bryce Warren, a grade 7 student attending John G. Althouse Middle School in Toronto, Ontario. I am excited to be participating for the first time in the CWSF. My love for learning and science began at a young age. I have always been curious of the workings of our world, wanting to learn and explore. This year I have had the opportunity to be involved in an Innovation Club at my school and participate in various eco challenges. Recently, I have become very interested in physics and electricity, as it is a vital part of life and science as we know it today. With my increasing experiences in learning, I am feeling drawn to pursue a career in Engineering Sciences and I'm looking forward to a lot more experiencing and learning before making that final decision. Currently, I enjoy playing competitive hockey along with many other sports at my school from Track and Field to Ultimate Frisbee. At home, I can often be heard playing my guitar or trombone. I am a member of my school band, and a proud member of John G Althouse's Stage Band. Looking forward to visiting Regina, Saskatchewan for the first time.