

CWSF 2009 - Winnipeg, Manitoba



Michael Brogee

Powerwalk

Division: Health Sciences / Environmental Innovation

Category: Junior

Region: Quinte

City: Stirling, ON

School: Stirling Senior P.S.

Abstract: In my project "Power-walk", I created a shoe attachment that charges batteries using the action of walking. This mechanism consists of a manual dynamo fixed to the shoe. The motion of taking a step, passes electricity to rechargeable batteries. With this attachment, people reduce their carbon emissions, save money on batteries, and get exercise in the process.

Biography

Vigorous athletics, creative music, strong leadership and high end academics are exactly who I am and what I do. I involve myself in several sports year-round. Being an avid hockey player, I am one of nine goalies from Ontario selected for an invitation only summer training program. As for school sports, I am regularly part of the soccer, volleyball, basketball, baseball, relay and track and field teams. In the spring, I play minor league football as a "Full Back". Playing guitar is not just a pleasure for me, it is a necessity. I perform at monthly coffee houses and I have currently written 8 songs. In addition to the guitar, I also sing, play the bass, mandolin, dobro, piano and the trumpet. Getting involved in school activities promotes leadership and community engagement. I am a member of the Student Council and Athletic Leadership Council. My job is to connect the circle of the school to the community, and back again. Academic excellence is something I strive for. I believe that school should be fun as well as challenging. My goal is to graduate at the top of my class.

Awards

Value

Honourable Mention - Environmental Innovation - Junior Sponsor: EnviroExpo, Presented by VIA Rail Canada	\$100
Total	\$100