

CWSF 2008 - Ottawa, Ontario



Chanse Wiens

Engines That Power Themselves

Division: Health Sciences / Automotive

Category: Intermediate

Region: Southeast Saskatchewan

City: Halbrite, SK

School: Midale Central School

Abstract: This project attempted to prove the viability of a self-energizing DC electric motor. This motor was powered by a rechargeable battery, charged by a generator. The generator was driven by the electric motor. The motor's efficiency was found to be related to the battery's ability to accept a charge while sustaining a load, as well as the mechanical efficiency of the generator drive.

Biography

Chanse Wiens is a 15 year old student currently finishing Grade 9 at Midale Central School at Midale, Saskatchewan. Chanse, in Grade 7, had a poem published by the Poetry Institute of Canada that he wrote as an English assignment for Remembrance Day. Chanse enjoys football, weightlifting, quadding, and golf, and would like to pursue a career in engineering when he finishes highschool. Chanse considers this trip to Ottawa to be the opportunity of a lifetime and will do his best to proudly represent his school and his province.