

CWSF 2009 - Winnipeg, Manitoba



Akili Norman

The Maglev Challenge

Division: International / None

Category: Junior

Region: London District

City: London, ON

School: Stoneybrook P.S.

Abstract: This project investigated whether a magnetically levitated vehicle could travel at a higher velocity than a wheeled vehicle (bound by friction) given the same applied force. Comparative time histories were calculated using initial and final velocities using lasers and data acquisition equipment and then documented. Accelerations were examined at different slopes for both vehicles. The Maglev vehicle was found to have the fastest acceleration rates.

Biography

I am a 14 year old grade 8 student from Stoneybrook Public School in London, Ontario. I enjoy volunteering and am a member of many school clubs including the recycling group, safety patrol, moo crew, office helper, library club, band and a Phys Ed helper. I enjoy participating in school sports and am a member of the basketball and cross-country teams. In my spare time I enjoy playing organized sports such as competitive soccer and girl's hockey, and I am an avid reader. I have experienced the good fortune of having wonderful friends, and the London District Science & Technology Fair has given me my first opportunity to win several awards, including this wonderful opportunity to travel and compete at the Canada Wide Science Fair at the Univ. of Manitoba and to experience the people and culture of Manitoba. I am looking forward to attending Lucas Secondary School next year and my future career goals include pursuing a vocation in research in the areas of science and medical fields.