

CWSF 2010 - Peterborough, Ontario



Adrian Au

Investigating Ice: A Slippery Subject

Division: Physical & Mathematical Sciences

Category: Junior

Region: Rideau-St. Lawrence

City: Brockville, ON

School: St. Lawrence Academy

Abstract: This project tested the effectiveness of different materials at reducing the slipperiness of ice on a test mass. The kinetic friction (analyzed using a video camera) and static friction (studied using a digital level) of each material was compared to untreated ice. Sand was found to be the most effective at increasing kinetic friction, while sand and cat litter were best at increasing static friction.

Biography

I am 12 years old and in grade 7 at the St. Lawrence Academy in Lyn, Ontario. In my spare time I enjoy constructing electrical devices eg. electrical circuits. I also like to construct mechanical and robotical devices. I enjoy all my different classes at school, especially math and phys. ed. If I go to university I would like to take classes in mechanical and electrical engineering. This is my first time participating in my regional and Canada wide science fair.

Awards

Value

Honourable Mention - Physical & Mathematical Sciences - Junior	\$100
Sponsor: Encana Corporation	
Total	\$100