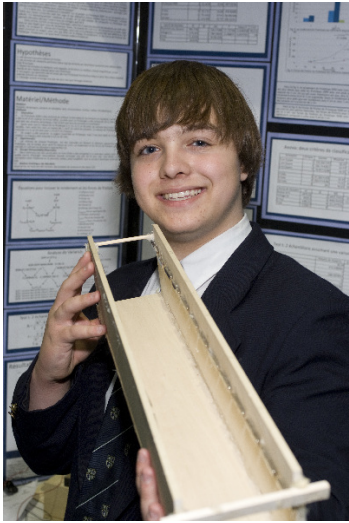


# CWSF 2009 - Winnipeg, Manitoba



## Chadi Saad-Roy

### Le Néodyme: utile dans le transport?

**Division:** International / Automotive

**Category:** Intermediate

**Region:** Vancouver Island

**City:** Victoria, BC

**School:** Glenlyon Norfolk School

**Abstract:** Magnetic train Prototypes were built, and neodymium magnets were used and compared to ceramic ones. The speed was taken 7 times at each 3,4,5, 9 and 18 volts. the effect of a space between the magnets was investigated. Also, a wagon was built to see the effect of it. Forces of frictions and the efficiency were calculated. Also, data was statistically analyzed.

### Biography

My name is Chadi Saad-Roy and I go to Glenlyon Norfolk School in Victoria, BC. I am 14 years old and I am in grade 9. I have been doing many science fair projects over the years. I like reading, playing basketball and judo. Swimming and sailing are other sports I practice. I also enjoy playing and writing music. I play piano, clarinet and a little bit of electric bass. One of my compositions earned me an honourable mention in a national competition and first in British Columbia. I am in a band, and I am also in a choir. This is my second Canada Wide Science Fair, and I am very happy and excited to attend!

### Awards

### Value

The University of Western Ontario Scholarship Gold Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
Honourable Mention - Automotive - Intermediate Sponsor: AUTO21	\$100
Gold Medal - Physical & Mathematical Sciences - Intermediate Sponsor: Encana Corporation	\$1 500
<b>Total</b>	<b>\$3 600</b>