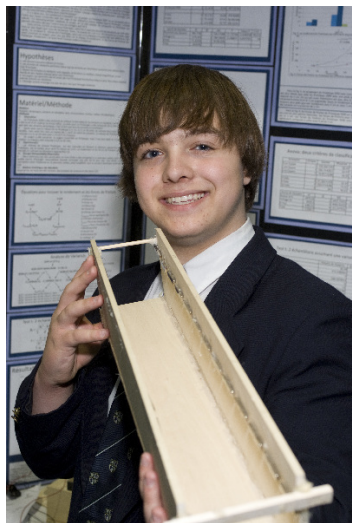


## ESPC 2009 - Winnipeg (Manitoba)



### Chadi Saad-Roy

#### Le Néodyme: utile dans le transport?

**Division:** Internationale / Technologie automobile

**Catégorie:** Intermédiaire

**Région:** Vancouver Island

**Ville:** Victoria, BC

**École:** Glenlyon Norfolk School

**Sommaire:** 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.

#### Biographie

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!

#### Prix

#### Valeur

Bourse d'études de l'Université Western Ontario	2 000,00 \$
Médaille d'or - Bourse de début d'études de 2 000 \$	
Commanditaire: Université Western Ontario	
Mention honorable - Technologie automobile - Intermédiaire	100,00 \$
Commanditaire: AUTO21	
Médaille d'or - Sciences physiques et des mathématiques	1 500,00 \$
Intermédiaire	
Commanditaire: Encana Corporation	
Total	3 600,00 \$