

## ESPC 2009 - Winnipeg (Manitoba)



### David Bagwell

#### Fight Fire With Sound?

**Division:** Internationale / Aucun

**Catégorie:** Sénior

**Région:** Northern Saskatchewan

**Ville:** Air Ronge, SK

**École:** Churchill Composite H.S.

**Sommaire:** This project has experimented with various sound waves to determine the effects that sound has on fire, as well as to see if it is possible to extinguish a flame using sound. It has studied the influence that frequency and amplitude have on the effects of sound on fire. To determine this, a candle flame was surrounded with speakers and bombarded with the various sounds.

#### Biographie

My name is David Bagwell. I was born in Winnipeg, Manitoba, on May 27, 1992. I am now sixteen years old and live in Air Ronge, Saskatchewan. I am currently in grade eleven, French Immersion, at Churchill Community High School in La Ronge. I enjoy playing badminton and have represented my school several times at the district level badminton tournament. Some of my other interests include reading, writing, drawing, building with Lego, and swimming, in which I have my level ten Red Cross. I also enjoy playing chess and won a bronze medal in the Cornwall, Ontario Regional Chess Tournament. I love working with technology, and in the past year and a half, I have made five short movies using various techniques like stop motion animation. I have entered the Northern Saskatchewan Regional Science Fair for the past five years, winning two honourable mentions, a bronze medal, a silver medal, and the gold medal that has brought me to Winnipeg this year.

#### Prix

#### Valeur

Bourse d'études de l'Université Western Ontario	1 000,00 \$
Médaille de bronze - Bourse de début d'études de 1 000 \$	
Commanditaire: Université Western Ontario	
Bourse d'admission de l'Université d'Ottawa	1 000,00 \$
Médaille de bronze, sénior ? Bourse d'admission de 1 000 \$	
Commanditaire: Université d'Ottawa	
Médaille de bronze - Sciences physiques et des mathématiques	300,00 \$
Sénior	
Commanditaire: Encana Corporation	
Total	2 300,00 \$