David Bagwell

Fight Fire With Sound?

Division: International / None
Category: Senior
Region: Northern Saskatchewan
City: Air Ronge, SK
School: Churchill Composite H.S.

Abstract: 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.

Biography

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.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - $1000 Entrance Scholarship Sponsor: University of Western Ontario	$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - $1000 Entrance Scholarship Sponsor: University of Ottawa	$1 000
Bronze Medal - Physical & Mathematical Sciences - Senior Sponsor: Encana Corporation	$300
Total	$2 300