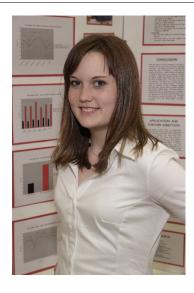




CWSF 2007 - Truro, Nova Scotia



Laura Larson

Asleep at the Wheel

Division: Health Sciences / Automotive

Category: Intermediate

Region: Alberta Central East

City: Hanna, AB

PO Box 297

416-341-0040

School: J.C. Charyk Hanna School

Abstract: The purpose of this project was to develop a method to prevent drivers from

> falling asleep at the wheel. The relationship of sound to heart rate response was studied. Designs were developed to incorporate existing technology into an alarm system which would alert a driver when they were entering

the second stage of sleep, indicated by lowered heart rate.

Biography

I am a grade nine student from Hanna, Alberta. I live on a small ranch with my parents and three siblings (two sisters and a brother). My hobbies include horseback riding (English and Western), dancing, reading, and shopping! I love animals and own a quarter horse, cat and Chihuahua (whom I enjoy shopping for). I have been involved in 4? H for the past six years with lamb, steer and horse projects. I enjoy public speaking and have attended many competitions at the district and regional level. At school, I volunteer as a tutor for grade four students with learning disabilities. I am a frequent volunteer for various causes in our community, including Ducks Unlimited, Breast Cancer Research and our local SPCA. Upon completion of high school, I hope to pursue a career in Clinical Psychology. Last year, I had the opportunity to compete as a CWSF finalist in Saguenay, Quebec. I was thrilled to win a gold medal in automotive and an honorable mention in engineering.

Awards	Value
The University of Western Ontario Scholarship	\$1 500
Silver Medallist - \$1500 Entrance Scholarship	
Sponsor: University of Western Ontario	
Silver Medal - Automotive - Intermediate	\$700
Sponsor: AUTO21	
Silver Medal - Engineering - Intermediate	\$700
Sponsor: Youth Science Foundation Canada	
Total	\$2 900





