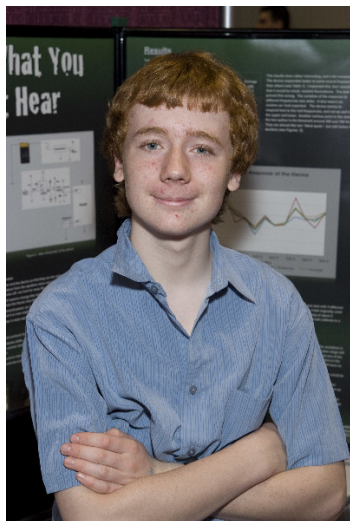


CWSF 2008 - Ottawa, Ontario



Devon Sawatzky

Sense What You Can't Hear

Division: Health Sciences / None

Category: Junior

Region: Manitoba Schools Science Symposium

City: Winnipeg, MB

School: Acadia School

Abstract: In this project a device was constructed that could help deaf people by vibrating when it detects sudden noises that may indicate impending danger. The device was tested to determine how well it would respond to different frequencies. The test revealed that the device responded to mid frequencies the best, and that overall it worked well.

Biography

Devon Sawatzky is a grade eight student from Winnipeg. His interests include electronics, reading, composing electronic music, working on his computer and making movies with his friends. In the summer he enjoys camping, biking, canoeing and traveling with his family. Over the past several years, Devon has spent Saturday mornings building robots with a group at a local community college. He is also quite involved with the youth group in his church. Devon hopes to study engineering, electronics or computer science at university in the future.

Awards

Value

| | |
|---|----------------|
| Canadian Acoustical Association Award Sponsor: Canadian Acoustical Association | \$500 |
| The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario | \$1 000 |
| Bronze Medal - Engineering - Junior Sponsor: Youth Science Foundation Canada | \$300 |
| Total | \$1 800 |