

CWSF 2014 - Windsor, Ontario



Skylar Barkhouse

What's The Buzz? Your Future Hearing Loss

Challenge: Health

Category: Junior

Region: South Shore

City: Mahone Bay, NS

School: Bayview Community School

Abstract: Four different kHz tones were played for 40 participants. The data collected proved that hearing ability diminished as age increased. An additional study was conducted to determine potential hearing loss in individuals under age 20. The decibel level of regular music listening volumes for 20 individuals was recorded. Eighty-five percent listened to music loud enough to cause hearing loss (>90dB).

Biography

My name is Skylar Barkhouse. I am 13 years old and I attend Bayview Community School in beautiful Mahone Bay, Nova Scotia. Last year in grade seven I attained the Principal's Platinum grade level standing. I am looking forward to receiving Platinum again this year. My favorite recreational activities are basketball, bicycling and swimming. This summer I plan to complete the Bronze Cross before beginning lifeguard training. I hope to become an instructor and help children learn to swim as my first summer job. I also enjoy singing and acting at my school and church. After my first few dental appointments as a young child, I knew I wanted to become a dentist. As a dentist, you work closely with the 5 senses so I chose to do my project about hearing as it was the sense I knew the least about. My quest led me to do tests about hearing damage. I was startled when my project revealed that hearing damage is occurring at very young ages. I plan to pursue youth hearing loss prevention through education and testing. Students should choose project topics based on their own curiosity because it fuels your quest for knowledge.

Awards

Value

Excellence Award - Junior - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 100