

CWSF 2007 - Truro, Nova Scotia



Daniel Bild-Enkin

Voila les Voyelles: French Vowel Pronunciation in a Victoria High School

Division: International / None

Category: Senior

Region: Vancouver Island

City: Victoria, BC

School: Esquimalt Community School

Abstract: Part of learning a new language is learning the pronunciation. Pronunciation is simply the physical system of sound source and vocal tract resonances. Articulatory features of vowels can be determined from acoustic ones. Software was developed to determine formants (resonances) of vowels spoken by students of various levels of French instruction. Significant correlations were found between French instruction and acoustic indicators of French proficiency.

Biography

Daniel is ecstatic to be attending his third and final Canada Wide Science Fair. His projects have been on the physics of sound and the quantification of qualitative phenomena. He is heavily involved in his school's environmental and social justice clubs. Daniel sings bass in the Victoria Philharmonic Choir, has been in his school musical five years straight, and plays piano badly. Next year plans to study linguistics and physics at university, with his ultimate goal being omniscience.

Awards

Value

CAP Physics Prize - Senior Sponsor: Canadian Association of Physicists	\$1 000
The Manning Innovation Achievement Award Sponsor: Ernest C. Manning Awards Foundation	\$500
The Manning Innovation Achievement Award and \$4000 Manning Young Canadian Innovation Award Sponsor: Ernest C. Manning Awards Foundation	\$4 000
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Physical & Mathematical Sciences - Senior Sponsor: Encana Corporation	\$300
Total	\$6 800