

CWSF 2012 - Charlottetown, Prince Edward Island



Mikayla Berger

Do Re Mi - The Effect of Auditory Stimuli on Memory

Challenge: Health

Category: Junior

Region: Lethbridge

City: Lethbridge, AB

School: Gilbert Paterson Middle School

Abstract: The effect of auditory stimuli on reading comprehension was examined. Grade six and seven classes (201 students) participated and were randomly assigned to one of four conditions: pop music, classical, ocean sounds or no auditory stimuli (control). Subjects read a passage then completed an assessment of memory. Scores were highest amongst those with no auditory stimuli present; differences among gender and grade level were found.

Biography

I am in Grade 8 at Gilbert Paterson Middle School. I am involved in the Grade 8 Choir, Handbell Ensemble, our school productions of Annie, The Legend of Sleepy Hollow and The Music Man and a leadership elective which helps organize and stage school events. I volunteer at the Lethbridge animal shelter and assisted with a TEDx conference. My hobbies include dance, painting, reading, and acting. My plans for post-secondary education are to attend UCLA majoring in acting. My achievements and notable experiences include placing in the top 3 in the Lethbridge Regional Spelling Bee, being the southern Alberta representative at the Historical Society of Alberta's Yearly Conference, receiving the Overall Average Award for Grade 6 English, and being an extra in the Lifetime movie The 19th Wife. The inspiration for my project resulted from a disagreement with my mother over whether listening to music while studying affected your recall of information. My plan for further research is to see how other types of music would affect participant's recall. My advice for students planning on starting a project is to choose a subject that interests you, if you don't enjoy what you're researching; you won't enjoy doing your project.

Awards

Value

Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	\$700
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 700