



**CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY**

Name(s) Mikhaella Anne Napiza; Trenton Sinclair	Project Number J1219
Project Title We Have Lost Our Ears from NIHL (Noise Induced Hearing Loss)	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals We want to know if we need to protect our ears from NIHL, to become aware on how we could prevent acquiring hearing loss and to stop or avoid wearing hearing aids. To prove if communication break can occur at 80 decibels or higher.</p> <p>Methods/Materials Screen school aged and adults with and without background noise. Ask participants to repeat the word if they hear the tester, or say " No idea! " If the participants can not hear the word.</p> <p>Results The first screening without noise background showed 100% correct response. The other three screening tests with background music presented at 80 decibels or higher showed communication break at varying levels.</p> <p>Conclusions/Discussion Our hypothesis was correct it proved that a communication break can occur when a background noise is added while someone is speaking. A noise level can also harm the ears when exposed beyond its natural capacity.</p>	
Summary Statement Noise Induced Hearing Loss can create communication deficit effecting a wide spectrum of all ages.	
Help Received Mothers helped type this report.	