



**CALIFORNIA STATE SCIENCE FAIR
2016 PROJECT SUMMARY**

Name(s) Loden J. Haught	Project Number 36098
Project Title Sound Dampening	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective was to measure the desiples the speaker amplifide with the different materials from inside a box.</p> <p>Methods/Materials Testing the difference between different materials (towels, blue jeans, bubble wrap, and card board) with in a outer box that is 2x2x2 and a inner box holding the speaker that was being messurd by a desible messure on my phone.</p> <p>Results Sevral tests were messured for every material inside the box to conclude the decible difERENCE between the empty box and filled boxes. The final result was the towels with a 53.12 deciple difference.</p> <p>Conclusions/Discussion several tests were made to show that house hold material can sound proof and is a good alternative sorce for insulating.</p>	
Summary Statement I made a box to hold different house hold materials to determen the decible difference between the empty box and material filled box.	
Help Received My dad helped build the box, but other than that i did the whole proget by my self.	