

CALIFORNIA STATE SCIENCE FAIR 2016 PROJECT SUMMARY

Name(s)	Project Number
Zuoheng He	J2009
Project Title	
Please Turn Down the Volume	
Objectives/Goals Abstract	
 The purpose of this project is to test and perceive which kin soundproofing, also, it has an objective of learning and und Methods/Materials Cardboard box, Bluetooth speaker, Laptop, Phone, Drywall panels, Audio sound level meter, ruler. Uses audio level meters source from both insides and outsides of a insulation chamber of the four trials with two sets of procedures, when the testi fiberglass insulation decreased on average the most decibel decreased on average mediocre amount of decibels with 0.4 amount of decibels on average with 2.9 on both testings. Conclusions/Discussion According to the project's data collection, when the testing fiberglass insulation decreased on average the most decibel 	erstanding the principles of soundproofing. I panels, Fiberglass insulation, Insulating foam eter to measure decibels blocked from a sound ber. Ing is done from both outside and inside, s with 4.75 and 5.225; while insulated foam 45 and 5.75; and drywall decreased the least is done from both outside and inside,
mediocre amount of decibels and drywall decreased the lea of this project to society are mainly to save the money and purchase any kind of insulation for soundproofing manager	st amount of decibels on average. The benefits time of the citizens when they decide to
Summary Statement Measured by a audio level meter, I perceived that fiberglass material.	s insulation is the most effective soundproofing
Help Received The insulation chamber is designed and made by myself. N testing methods.	leanwhile, I also designed the two sets of