



**CALIFORNIA STATE SCIENCE FAIR
2017 PROJECT SUMMARY**

Name(s) Mia H. Chou	Project Number J0903
Project Title Radon: The Silent Killer in Your House	
Objectives/Goals To find if there is a correlation between radon levels and building ages	
Abstract	
Methods/Materials Materials: 2 Corentium QRI Home Radon Digital Monitor 10 houses (measured radon level for a week each), some re-measured for repeatability. Method: Placed both radon monitors in each house for a week; one in a well-ventilated area and another in a non-ventilated area. Record the measurements at the end of the week and gave feedback to homeowner. Compared results to age of the house and then to location	
Results Project showed no direct relationship between building age and radon levels.	
Conclusions/Discussion After further analysis, I did find a link between radon levels and the location of the house. In future work, I would continue to take more samples to verify this correlation and analyze the relationship between the radon levels and the soil's geological makeup that produces the radon levels.	
Summary Statement After measuring 10 different houses for radon levels, I showed that the radon level does not correlate to the age of the house, but to the physical location.	
Help Received My parents purchased the 2 radon monitors and helped solicit homeowner volunteers. I then contacted the homeowners, set up the monitors in each house, collected the data, and performed the analysis.	