



**CALIFORNIA SCIENCE & ENGINEERING FAIR
2018 PROJECT SUMMARY**

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| Name(s) Paloma Lobos; Sergio Serrano | Project Number S1208 |
| Project Title Impact of Student Class Size on Indoor Air Quality | |
| <p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective of this experiment is to determine if there is a correlation between the levels of pollutants in the air and the class size.</p> <p>Methods/Materials In this experiment, an air quality monitor will be placed into multiple classrooms in order to identify the amount of pollutants in the air. After seven days, the data will be collected through an app.</p> <p>Results Volatile Organic Compounds are higher in tile floored classrooms, Carbon dioxide is the highest in tile and portable classroom, and particulate matter is highest in carpet floored classrooms and tile floor classroom.</p> <p>Conclusions/Discussion The information gathered explained that the air quality in the classrooms at Ridgeview high school have less pollutants when there are no students in the classroom.</p> | |
| Summary Statement We measured We measured the levels of pollution in three different floored classroom in order to make a correlation between class size and indoor pollutants. | |
| Help Received Our science teacher, Mike Braiser, helped us acquire an indoor air quality monitor for out experiment. | |