



**CALIFORNIA STATE SCIENCE FAIR
2009 PROJECT SUMMARY**

Name(s) Layla M. Elmi	Project Number J1706
Project Title Where Is the Bacteria?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals Where are the bacteria? The purpose of this project is to figure out which part of the house has the most bacteria. Then, the results will help people know which part of the house needs to be sanitized more often to prevent sickness.</p> <p>Methods/Materials Samples were taken with cotton swabs from objects from the living room, kitchen, bathroom, bedroom, and computer room. The samples were then put into Petri dishes. The Petri dishes were then placed in an incubator for forty- eight hours at 370 C.</p> <p>Results The results were that the kitchen was the area with the most bacteria, then the bathroom, then the bedroom and living room. The area with the least bacteria is the computer room. The object in the kitchen with the most bacteria is the kitchen sponge. The object in the bathroom with the most bacteria is the toilet seat. The object in the bedroom with the most bacteria is the desk. The object in the living room with the most bacteria is the couch. The area in the computer room with the most bacteria is the keyboard.</p> <p>Conclusions/Discussion If the kitchen is sanitized more often, then sicknesses might diminish. To further this experiment, study of efficient ways to clean the kitchen.</p>	
Summary Statement To determine which part of the house has the most bacteria.	
Help Received Used equipment from school. TSA plates purchased from Hardy Diagnostics.	