

CALIFORNIA STATE SCIENCE FAIR 2016 PROJECT SUMMARY

	Derte (N. 1919)
Name(s)	Project Number
Kyan Gao	
	36078
Project Title	
What We Can't See: Detection and Identification of Microorganisms in a School Environment	
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Abstract	
Objectives/Goals Abstract The purpose and goal of this project is to find and compare number of colones of milloorganisms on the surface of certain items/places in a school environment, which were reform hardle, a water fountain, a light switch, urinal floor tiles or the sole of my shoe. To accomplish this objective, if conducted experiments in which I collected microorganisms from the various furfaces are when into numerous colonies, compared the results and identified what they were. Methods/Materials I used sterilized swabs to collect the microorganisms from etch surface. Next I transferred the microorganisms onto sterilized petri-dishes filled with standard method appr. Then the microorganisms were grown for 26 hours in an incubator and then observed under a proteoruler magnifier where the colonies are counted. Results The final analysis is that the sole of my shoe has the tost colonies of microorganisms: the sole of my shoe, a upper of hardle. Conclusions/Discussion Repeated trials show that the sole of my shoe fas the nost colonies of microorganisms out of the five items/places. In conclusion, my hypothesis was correct.	
Summary Statement I detected and ested for microorganism growth on the items/places that most s with on a daily basis in our school.	tudents come in contact
Help Received	
I swabbed, collected and examined the microorganisms myself. I got helped in materials ready and having the microorganisms grown from the Alpha Analytic Science teacher reviewed my project and my parents advised my project.	having the sterilized cal Laboratories, Inc My