



**CALIFORNIA STATE SCIENCE FAIR  
2004 PROJECT SUMMARY**

<b>Name(s)</b> Mark A. Rocha	<b>Project Number</b> <b>J1136</b>
<b>Project Title</b> <b>Slip and Fall: Determining the Most Effective Non-Slip Surface, A Two-Year Study</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My project is to determine which substance will best provide the shoe from slipping off the tile. I believe that Honey will best prevent it because it's very tacky. <b>Methods/Materials</b> I had a table with a 4'x4' tile at the end of a table with a clip to hold it down. I screwed a hole and placed a hook in the back of the shoe. From the hook i tied a string from the shoe to a bucket hanging off of the table. I added water to the bucket till it or started to fall. After the bucket hit the ground, i would weight the total aount on a scale to c the amount of weight it took to fall. <b>Results</b> The wax was the best substance used to best prevent the shoe from slipping.It took an average of 13.2 pounds for the shoe to fall. Honey, my guess, took an average of 12.4 pounds for the shoe to fall. <b>Conclusions/Discussion</b> My hypothesis was in correct. It stated that honey would be the best non-slip surface of my variables but it was wax. Wax was able to hold on the shoe for approximately .8 more pounds. This investigation shows me what we could do to help prevent anybody from slipping and hurting themselves.	
<b>Summary Statement</b> My project is to see which substance best prevents the shoe from slipping off of the shoe.	
<b>Help Received</b> Teacher gave me items for experiment;Mother typed my research paper	