



**CALIFORNIA STATE SCIENCE FAIR
2003 PROJECT SUMMARY**

Name(s) Mark A. Rocha	Project Number J0225
Project Title Slip and Fall: Determining the Most Effective Non-Slip Surface	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective was to learn which substance would best prevent the shoe from falling off the tile.</p> <p>Methods/Materials I used a shoe, tile, (5 tiles w/all different substance surfaces) 4 1/2 ft. wire, bucket, sand, a flat surface, clips, and candle wax as a friction reducer. What I did was put the shoe on the tile and hooked the wire to the hook on the shoe. I added sand to the bucket until the shoe fell off the tile and recorded the amount of weight.</p> <p>Results I found that tile mixed with pumice best prevents people from slipping. It took about 12.6 pounds of sand for the shoe to fall off the tile.</p> <p>Conclusions/Discussion My hypothesis was correct. It stated that pumice would best prevent the shoe from falling and it did. This project gave my knowledge of what I can do to prevent people from slipping on any surface.</p>	
Summary Statement My project is to determine which surface would best prevent people from slipping.	
Help Received Mom and Dad helped paste and type some of my papers.	