



**CALIFORNIA STATE SCIENCE FAIR
2016 PROJECT SUMMARY**

Name(s) Amanda N. Nigro	Project Number 36819
Project Title Testing Household Materials for Lifting Fingerprints	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The experiment tests which household materials will work best as a dusting agent to lift fingerprints off of a glass surface.</p> <p>Methods/Materials Pencil lead, sidewalk chalk, charcoal briquette, cocoa powder, eye shadow, index cards, clear tape, dusting brushes, glass surface. Dusted and lifted multiple fingerprints using each of the materials and compared to a control.</p> <p>Results Fingerprints that were dusted using five household materials were compared to a control fingerprint. Although all household materials were able to lift part of the prints, pencil lead resulted in lifted prints that most closely matched the control fingerprint.</p> <p>Conclusions/Discussion Based on counting identifiable points, pencil lead resulted in the clearest lifted fingerprints, possibly because of the similar ingredients to actual fingerprint powder.</p>	
Summary Statement I showed that household materials can be used as a dusting agent to lift fingerprints, and determined that pencil lead was the most effective.	
Help Received None. I designed and performed the experiment myself.	