



**CALIFORNIA STATE SCIENCE FAIR
2012 PROJECT SUMMARY**

Name(s) Briana M. Rosas	Project Number J2129
Project Title Swallowing Medicine: Does Size and Texture Matter?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective was see if the size or texture of pills affected a person's ability to swallow them.</p> <p>Methods/Materials I designed an artificial esophagus using plastic tubing. I used beads to represent the different sizes, textures, and shapes of pills. I tested to see how well each type of pill would go down the tubing using water just as you would if you were swallowing pills.</p> <p>Results My results were that capsules were the best pills to swallow due to size and texture because they had a smooth texture. They were also thinner and smaller than other pills tested. The most difficult pill to go down the tubing were the tablets due to large size and rough texture.</p> <p>Conclusions/Discussion I concluded that size and texture does matter when swallowing medicine.</p>	
Summary Statement My project was to see how different sizes, shapes, and textures of pills affect their ability to be swallowed.	
Help Received Parents helped purchase equipment needed; Grandfather helped install tubing; Mother helped with exhibit board	