



**CALIFORNIA STATE SCIENCE FAIR
2013 PROJECT SUMMARY**

Name(s) Levi J. Houghton	Project Number J1711
Project Title A 'Smashing' Eggsperiment	
Abstract Objectives/Goals I would like to know if and by how much feeding oyster shell to chickens affects the strength of their egg-shells. I think that the oyster shell will increase the strength but not by much. Methods/Materials To start this experiment you must weigh and measure the egg. Then, after you record your data you set the egg clapper at the edge of a table or counter so that the egg clapper is hanging off the surface approximately 2 1/2 inches, then once that egg clapper itself is positioned you put the egg in the clapper and begin pouring water into the bale. When the egg breaks under pressure you weigh the water and record the weight in a table or diagram. Then after performing the control experiment you feed the chickens oyster shell, wait a few days, and then repeat the experiment 2 or 3 times. Materials - egg clapper - jug of water - scale - notebook Results My results show that the the oyster shell did in fact affect the strength of the egg-shells. The increase in strength was about 100 grams every day I fed the chickens oyster shell. Conclusions/Discussion These results show that my hypothesis was correct and the strength was affected positively. Clearly, oyster shell affects the strength of egg-shells.	
Summary Statement This experiment was a test to see if and by how much feeding a hen oyster shell affects the strength of the eggs the hen lays	
Help Received Grandpa helped make egg clapper, Mother and Father helped spray paint board and put board together, Sisters helped make idea	