



**CALIFORNIA STATE SCIENCE FAIR  
2012 PROJECT SUMMARY**

<b>Name(s)</b> Anna D. de la Rosa	<b>Project Number</b> <b>J1907</b>
<b>Project Title</b> <b>Eggcellent Eggshells: How Eggshells Affect Plant Growth</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> The experiment was to measure the effects of eggshell on plant growth. My hypothesis was that the more eggshell added to the soil, the faster the plant would grow.</p> <p><b>Methods/Materials</b> Five groups of five pots were filled with the same amount of soil and three tomato seeds were planted in each of the pots. Each group had different amounts of eggshell mixed in with the soil: no eggshell (control), 1 gram, 5 grams, 10 grams, and 15 grams. As they grew, the plants were watered with the same amount of water and were measured every two days for two weeks.</p> <p><b>Results</b> The results show that the hypothesis is partially true since the plant with 5 grams ended up being the tallest at the end of two weeks. Also, on average, the plants with 1 gram and 5 grams grew taller than those without eggshell. However, the results also show that too much eggshell (10 and 15 grams) does not make the plant grow faster.</p> <p><b>Conclusions/Discussion</b> Overall, I learned that a small amount of eggshell enhances plant growth.</p>	
<b>Summary Statement</b> My project was to determine how eggshells affect plant growth.	
<b>Help Received</b>	