



**CALIFORNIA STATE SCIENCE FAIR  
2011 PROJECT SUMMARY**

<b>Name(s)</b> <b>Daniela N. Alvarez</b>	<b>Project Number</b> <b>J1901</b>
<b>Project Title</b> <b>VitaPlants</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My project's goal was to determine if vitamins affected the growth of a plant. For this purpose, I used Vitamin B, C, and D and Tap Water. <b>Methods/Materials</b> Three bean seeds were planted in each cup. Four cups were used for each vitamin. Four more cups were used to test tap water. I watered them everyday with 2 oz. of water for the tap water plants or 2 oz. of water mixed with 1 vitamin caplet, either B, C, or D. I observed the plants every day for 12 days. Once the beans sprouted, I measured the height and I rated the color of foliage using a color scale ranging from yellow/brown to bright green. <b>Results</b> As a result, Vitamin D helped the plants grow to an average height of 11 inches, the plants' stems thicker and the leaves greener. Vitamin B helped the plants grow taller, with an average height of 12 inches. <b>Conclusions/Discussion</b> My conclusion is that Vitamin D made plants grow tall and look healthier, even though vitamin B made them grow a little taller.	
<b>Summary Statement</b> I wanted to see if vitamins affected the growth of plants	
<b>Help Received</b> Mother helped mount board .	