



**CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY**

Name(s) Daniela N. Alvarez	Project Number J1901
Project Title VitaPlants	
Objectives/Goals 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.	
Abstract	
Methods/Materials 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.	
Results 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.	
Conclusions/Discussion My conclusion is that Vitamin D made plants grow tall and look healthier, even though vitamin B made them grow a little taller.	
Summary Statement I wanted to see if vitamins affected the growth of plants	
Help Received Mother helped mount board .	