



**CALIFORNIA STATE SCIENCE FAIR
2010 PROJECT SUMMARY**

Name(s) Sanam Mehta	Project Number J2017
Project Title Plant Growth and Smells	
Objectives/Goals My objective was to find out whether smells affect plant growth and which smell will affect it the most. I do think that smells will affect plant growth. I am not sure which smell will affect it the most.	
Abstract	
Methods/Materials Materials - 12 plants - 6 plastic boxes - 5 Glade Sprays - Tap Water - Measuring Cup - Camera - Place with sufficient sunlight - Tape - 12 cotton balls Procedure 1. Buy all materials. 2. Label plants as follows: A, A1, B, B1, C, C1, D, D1, E, E1, F, F1. 3. Tape two cotton balls to the side of the boxes. 4. Keep the plants uncovered for 1 hour at the same time of day every day. 5. One hour later, spray a scent on the cotton balls. 6. Water the plant with 100 milliliters of tap water. 7. Repeat Steps 4-6 daily. 8. Take pictures.	
Results The plants that grew the most were the plants which were given the Fruit Explosion scent. None of the plants were affected negatively.	
Conclusions/Discussion I conclude that smells definitely do affect plant growth by enhancing the number of blooms, quality, and speed of plant growth. Using strawberry plants, I finally did get to grow strawberries, but they are not currently ripe (as of 3/2/10).	
Summary Statement I conducted a controlled experiment in which I tested the effects of smells on plant growth by exposing 12 plants to smells.	
Help Received Mom # helped buy materials for testing (plants, boxes, smells, etc.), Mr. Briner (science teacher) # answered questions about testing, Dad # helped decide exactly how to expose plants to smells	