



**CALIFORNIA STATE SCIENCE FAIR
2010 PROJECT SUMMARY**

Name(s) Hannah N. Sussex	Project Number J2424
Project Title The Buzz about Bees: Are Bees Most Attracted to the Fragrance, Taste, or Color of a Flower?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals This project was to first determine the bees' most preferred taste, color, and fragrance. Finally with these results, it will be determined whether they are most attracted to the fragrance, taste, or color of a flower.</p> <p>Methods/Materials For this experiment, testing was performed in a habitat that was constructed, containing twenty-one bees. Eight different flowers and colors were used for testing. Next, a test will be conducted to see which of the eight fragrances attracts the greatest amount of bees. This is done by smearing the juices of each flower that has been pulverized individually onto a piece of poster board. Next, a similar test is conducted to see which of the eight tastes attracts the greatest amount of bees, which is done by smearing particles of each flower that has individually been pulverized onto a piece of poster board. The poster board is then placed under a heat lamp for four hours, causing the fragrance to dissipate, still leaving taste. Another test is conducted to see which of the eight colors the bees are most attracted to. This is done by putting eight different colors onto a piece of poster board. Finally, a test is conducted using the bees most preferred taste, fragrance, and color. These results will show whether bees are most attracted to the taste, fragrance, or color of a flower.</p> <p>Results This experiment showed that the bees were most attracted to the fragrance of Queen Anne's Lace, the taste of Leptospermum, and the color pink. When these three most preferred characteristics were tested together, the bees were most attracted to the fragrance. The second most preferred characteristic was the taste of the flower. Lastly, the least amount of bees was attracted to the color of a flower.</p> <p>Conclusions/Discussion The greatest amount of bees were attracted to the fragrance of a flower. Therefore, one could conclude that bees are most attracted to the fragrance of a flower.</p>	
Summary Statement This project was to determine what bees are most attracted to, whether it was the fragrance, taste, or color of a flower.	
Help Received Much help was received during this project. My parents helped me with the experiment and some of the writing. My science teacher, Dr. Dunn, gave me advice for my project and helped me with some of the writing as well. My English teacher, Mrs. Mitchell, helped me with the formatting of some of my writing,	