



**CALIFORNIA STATE SCIENCE FAIR  
2015 PROJECT SUMMARY**

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| <b>Name(s)</b><br>Jaidyn Camino; Bonney Shehadey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Project Number</b><br><br>35377 |
| <b>Project Title</b><br>Which Ingredient Keeps Cut Roses Freshest?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |
| <p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b><br/>The objective is to find which material can help to keep cut roses freshest for the longest period of time. We believe that the flower that uses flower food will last the longest because most florists give the food packets when you buy a bouquet.</p> <p><b>Methods/Materials</b><br/>Six glasses with cut roses and different ingredients in every one were prepared and placed in a window facing east. Flower A had distilled water, flower B had tap water, flower C had sprite, Flower D had baby aspirin and tap water, flower E had white sugar and tap water, and Flower F had a flower food packet and tap water. Every day we took pictures of the flowers and recorded observations about how each flower was doing until all the flowers except one of them died. In order to determine which one was the freshest we compared the flowers to paint chips so we would have a consistent measurement of how dead or alive the flowers were and watch the gradual changes in color. We repeated this cycle three times.</p> <p><b>Results</b><br/>Overall, the flower that used distilled water remained freshest for the longest amount of time. The flower that used sprite was the first to die every time.</p> <p><b>Conclusions/Discussion</b><br/>Our conclusion is that Distilled water is the best ingredient to use in order to keep cut roses alive for the longest possible.</p> |                                    |
| <b>Summary Statement</b><br>The main focus on our project was to see which ingredient we could give to cut roses in order to make it stay as fresh as possible for the longest amount of time possible.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |
| <b>Help Received</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |

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