



# CALIFORNIA SCIENCE & ENGINEERING FAIR 2019 PROJECT SUMMARY

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| <b>Name(s)</b><br><br><b>Cesar Duarte</b>   | <b>Project Number</b><br><br><b>J0507</b> |
| <b>Project Title</b><br><br><b>Where Is the C?</b>  |   |
| <p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives</b><br/>My goal in my project is to see which plant had the highest level of vitamin C.</p> <p><b>Methods</b><br/>Test five different plants of juice 31.25 mL/ 1oz mixed with 125 mL. of water and the same measurements of the vitamin C reference sample which I prepared with cornstarch for the test. I used an eye dropper to add (iodine) to oxidize each one. Record the total quantity of drops of iodine used in each juice sample until the blue color persists.</p> <p><b>Results</b><br/>My results in the test ended with papaya having the highest amount of vitamin C with 31.06 mg per ounce compared to other plant juices.</p> <p><b>Conclusions</b><br/>I have proven my hypothesis correct that papayas (31.06 mg) have the highest amount of vitamin C, but I found that the results broccoli had (30.09 mg) was close to the results papaya had leaving a 0.16 mg difference. The results in my data chart helped me prove that papaya has the highest vitamin C resource.</p> |   |
| <b>Summary Statement</b><br><br>My project is about which plant contains the highest resource of vitamin C.   |   |
| <b>Help Received</b><br><br>I designed this project by myself but received support from my science teacher, my home room science teacher, and the information I reasearched on the internet   |   |