



**CALIFORNIA STATE SCIENCE FAIR  
2008 PROJECT SUMMARY**

<b>Name(s)</b> <b>Sergio M. Segura</b>	<b>Project Number</b> <b>J1930</b>
<b>Project Title</b> <b>Examining Bubble Gum Circumference and Diameter</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My objective is to determine if different brands of bubble gum produce the same size bubble by measuring circumference and diameter. <b>Methods/Materials</b> I weighed the gum on a triple beam balance by cutting it into pieces until it measures 2 grams. Then I chewed the gum 17 times. After that I put the gum on the tip of the needle and then pumped the gum 17 times. When it was blown, I put the string around it without touching the gum. Then I recorded my observations on a piece of paper. Next, I placed a ruler behind the blown bubble and I found the diameter of the bubble, after which I recorded my results. Finally I repeated all the procedures 30 times for a total of 30 trials. <b>Results</b> The average for Hubba Bubba was 3 cm and the average for Bazooka was 2.3 cm. For Bubble Tape it was 2.2 cm. Finally, the average for Juicy Friut was 1.4 cm. <b>Conclusions/Discussion</b> My hypothesis was partially correct because instead of Juicy Fruit being the lowest I thought Bubble Tape was going to be the lowest bubble blown. My results are important because the price of the gum plays an important role in this project because the more expensive the gum the bigger the bubble it blows.	
<b>Summary Statement</b> My project compares the circumference and diameter of various brands of bubble gum in order to see if they produce the same size of bubble in a controlled environment.	
<b>Help Received</b> Teacher helped on organizing the board; Parent helped on title; Mother helped on research	