



**CALIFORNIA STATE SCIENCE FAIR  
2009 PROJECT SUMMARY**

<b>Name(s)</b> <b>Candace Huerta</b>	<b>Project Number</b> <b>S0310</b>
<b>Project Title</b> <b>Are You a Mean Girl?</b>	
<b>Objectives/Goals</b> My objective was to determine what percentage of teen girls are bullies, bystanders, and victims. My hypothesis was that 60% would be bullies; 30% would be bystanders, and 10% would be victims.	
<b>Abstract</b> I created a survey with a rating of 1 through 5, listing the traits of the bully, bystander, and victims in a question format. Under the supervision of my teacher, Ms. Ventura, 41 teen girls completed the survey on a volunteer basis and anonymously. I then classified the questions into the following categories: passive bully, bully victim, aggressive bully, bystander, and victim. Finally, I calculated the averages and created graphs to show my results.	
<b>Methods/Materials</b> I created a survey with a rating of 1 through 5, listing the traits of the bully, bystander, and victims in a question format. Under the supervision of my teacher, Ms. Ventura, 41 teen girls completed the survey on a volunteer basis and anonymously. I then classified the questions into the following categories: passive bully, bully victim, aggressive bully, bystander, and victim. Finally, I calculated the averages and created graphs to show my results.	
<b>Results</b> Of the 41 teen girls, 39% were non-bullies. Twenty-nine percent were bystanders. Seven percent were victims and 15% were bullies. Of the bullies, none fell in the classification of an aggressive bully. Five subjects (83%) were passive bullies. One subject classified as a bully-victim. Out of all the bullies, 66% of the subjects completely denied their bully behavior.	
<b>Conclusions/Discussion</b> According to my data and observations, my hypothesis was incorrect. I hypothesized that 60% of the girls would be bullies; however there were only 15% bullies. The victims surveyed were 17%, higher than the 10% I hypothesized. However, my hypothesis about bystanders was fairly close. I believed it would be 30% and the results were 29%. My project is beneficial because it educates people. It put's a magnifying glass on the bullies. The bullies need to recognize their wrong behavior and modify it. Bystanders and non-bullies need to be educated so they can become Victim Advocates. Victims need to be empowered with coping techniques so suicide, depression, loneliness, anxiety, low self-esteem, and behavioral problems resulting from victimaztion will disappear.	
<b>Summary Statement</b> My project was to determine what percentage of teen girls are bullies, bystanders, and victims.	
<b>Help Received</b> My teacher, Ms. Ventura, showed me how to create the graphs; also a statistician gave me suggestions as to how to interpret my data.	