



**CALIFORNIA STATE SCIENCE FAIR
2012 PROJECT SUMMARY**

Name(s) Dania P. Cortes	Project Number S0408
Project Title Does "Gender Affects Frustration" Change During Teen Growth?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals Last year, concluded that gender affect the reason of teen frustration.As a result of last year's project, I decided on investigating if this precise stress not only is different, but also increases or decreases throughout the years differently. In addition, I wanted to know if this change occurred at different rates depending on gender. So this became my goal. My goal is to know if there is a difference in the amount of stress from each of the areas I previously tested, and compare if this difference varies depending on gender.</p> <p>Methods/Materials For testing my project,I made surveys to 100 teenagers from each sex from ages 17, 18, and 19.The teenagers were asked to answer 16 questions, which each was about asking them if they were stressed about a particular situation.Each of the situations represented one of the main causes on teen stress.Once they were all answered, I compared the results with the surveys from the 13, 14, and 15 year old teenagers that I had already tested to determine the change.Finally I compared the change result for each gender and compared them.</p> <p>Results My results were that stress levels from both genders rises in all the categories except for stress in the area of physical appearance, which reduces in large quantities. My results also showed males in their late teen years have higher frustration level in categories that involve the protection of people surrounding them, and females in their late teenage years, have the greater frustration ranking in categories referring to the way they handle relationships in society. In addition, there was indeed a greater amount in evolutionary impact on female results.</p> <p>Conclusions/Discussion My hypothesis was supported by my conclusion because I predicted that stress changes,and that gender determines the way stress evolves during teenage years.My results proved that in general, stress levels from both genders rise as a teen grows, except for physical appearance which decreased, especially for females who scored 50 % less than in their early teen years.Females scored higher increasing rates in categories related to the way they satisfy society Males scored higher in categories relating to other#s protection.As for the comparison between genders, there was a greater amount in evolutionary impact on female results because their evolutionary growth is more constant in each category.</p>	
Summary Statement My project is about investigating the changes in stress from an early to an elder teenager, and analyze if gender is a factor to this.	
Help Received Students from different Imperial High Schools helped me by answering surveys; Biology Teacher helped me think of ways to expand project; Mom bought all my materials and gave me rides from one high school to another;Dad helped wire board;	