



**CALIFORNIA STATE SCIENCE FAIR
2015 PROJECT SUMMARY**

Name(s) Erin G. Gonzales	Project Number J0710
Project Title Let's Test Your Balance	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective is to figure out what factors will affect a dancer's balance in positive or negative ways. My hypothesis was the dancers would balance the longest in a silent room with marley flooring, while looking into a mirror.</p> <p>Methods/Materials This project requires eight different dancers with similar amounts of training, five different locations to test the balance of the dancers and one stopwatch to time how long the dancers balanced. To test this experiment, the dancers will balance in five different locations while they are being timed with a stopwatch. The data will then be reviewed and compared to determine which factors affected the dancers in the most positive and negative ways.</p> <p>Results In this project, the dancers balanced the longest, on average, in the quiet environment standing on marley floors, while looking into a mirror. The dancers balanced the least amount of time, on average, when they were looking into a spinning image, listening to music, while standing on marley floors. My hypothesis was proven correct.</p> <p>Conclusions/Discussion This project could inform studios about the proper and most effective locations for their dancers to extend their balance time.</p>	
Summary Statement To identify external factors that impact a dancer's ability to balance for extended periods of time.	
Help Received Studio dancers volunteered time to be tested for the project.	