



**CALIFORNIA STATE SCIENCE FAIR  
2007 PROJECT SUMMARY**

<b>Name(s)</b> <b>Cambria L. Ullrich</b>	<b>Project Number</b> <b>J1845</b>
<b>Project Title</b> <b>The Better Ball: A Comparison between the Titleist ProV1 and Titleist DT So-Lo Golf Balls</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> My project was to see if the repetitive impact of a 10 degree Titanium Driver would knock the Titleist DT So-Lo golf ball out of balance more quickly than the Titleist Pro V1 golf ball. My hypothesis is that I believe that the Titleist DT So-Lo golf ball will go out of balance more quickly than the Titleist Pro V1 golf ball.</p> <p><b>Methods/Materials</b> I took ten Titleist Pro V1 and Titleist DT So-Lo golf balls. I then numbered the balls 1-10. Then I weighed and measured each ball and rolled them each ten times down a ramp onto an artificial putting green. I then hit ball number one 10 times, I hit ball number two 20 times and each successive ball 10 more times than the preceding ball until I hit ball number ten 100 times. I then reweighed and remeasured each ball to see if there was a change in mass or diameter. I then rolled each ball ten times down a ramp onto an artificial putting green onto a chalk line to see if they would roll straight.</p> <p><b>Results</b> I found that after the repetitive striking of the golf balls, the Titleist Pro V1 golf balls stayed in balance longer than the Titleist DT So-Lo golf balls.</p> <p><b>Conclusions/Discussion</b> I discovered that the Titleist Pro V1 golf balls would stay in balance longer than the Titleist DT So-Lo golf balls. This proves that my hypothesis was correct, and that price makes a difference in the performance of the golf balls. Titleist makes the Pro V1 balls \$44.00 while the DT So-Lo balls are only \$29.00, this states that it may be more useful to spend a little bit more on the golf ball you use because you might get a better result.</p>	
<b>Summary Statement</b> I tested two popular Titlest golf balls to see if the repetitive impact of a 10 degree titanium driver would knock either ball out of balance.	
<b>Help Received</b> Dad helped with the golf ball hitting machine and the greens.	