



**CALIFORNIA STATE SCIENCE FAIR  
2004 PROJECT SUMMARY**

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<b>Project Title</b> <b>Is Popular Always the Best?</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> After interviewing golfers, I wanted to find out if the preferred golf ball is best.</p> <p><b>Methods/Materials</b> Procedures for Bounce Test. Step 1 Purchased eight brands of golf balls, three of each brand. I marked each brand with a sharpie. Step 2 I chose an area in my back yard over cement where there is a counter to drop the ball from. I taped a meter stick to the counter vertically so I could record the height the golf balls bounced. Step 3 I had someone drop the ball from the same position without any force. I recorded the bounce height in centimeters in my chart. Step 4 repeat for each ball three times and each brand. Step 5 I averaged the bounce height for each ball. Procedure for Distance Traveled Test. Step 1 I weighted down the striking mechanism so it wouldn't move from the motion. Step 2 I measured the distance from the tee, past the measuring stick to insure accuracy. Step 3 I placed the golf ball on the tee, I had my helper pull back the arm of the striking mechanism to its maximum position and released it. I recorded the distance in centimeters to where the ball first hit in my chart. Step 4 Repeat for each ball three times and each brand. Step 5 I then averaged the results.</p> <p><b>Results</b> I found that Top Flite Infinity traveled the farthest and bounced the highest. But it was the least expensive and not mentioned by anyone I interviewed.</p> <p><b>Conclusions/Discussion</b> My results did not agree with my hypothesis, even though many golfers that I interviewed preferred Titleist Pro VI. Titleist pro VI did not bounce the highest or travel the farthest. Top Flite Infinity had the biggest bounce of 89.2 cm. and Titleist Pro VI had 83.4 cm. for a difference of 5.8 cm. In the distance test, Max Fli Noodle had the greatest distance of 216 cm. and Titleist Pro VI only had 172 cm., a difference of 44cm.</p>	
<b>Summary Statement</b> Do all golf balls go the same distance, and do preferred brands go farther?	
<b>Help Received</b> Aunt helped read the meter stick for better accuracy, and my mom pulled back the striking mechanism.	