



**CALIFORNIA STATE SCIENCE FAIR  
2002 PROJECT SUMMARY**

<b>Name(s)</b> <b>Robert W. Holtermann</b>	<b>Project Number</b> <b>J0217</b>
<b>Project Title</b> <b>The Influence of a Golf Ball's Bounce on the Distance It Will Travel</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> The objective of this experiment is to determine if a golf ball's bounce influences the distance it will travel. I thought that a golf ball's bounce influenced the distance it would travel.</p> <p><b>Methods/Materials</b> Thirty-six golf balls were used in this experiment. Each golf ball was tested 20 times for height of bounce and distance of ball flight.</p> <p><b>Results</b> The tests run on each golf ball show that a golf ball may bounce high but not travel very far.</p> <p><b>Conclusions/Discussion</b> My hypothesis was not supported by my data. The results show that a golf ball might bounce very high but not travel very far. The reason that these golf balls might go very high and not travel very far is because of their core. The slight variations in their cores may cause a golf ball to travel very far but not very high.</p>	
<b>Summary Statement</b> The influence of a golf balls bounce on the distance it will travel.	
<b>Help Received</b> Father helped build mechanism. Mother helped test bounce.	