



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2001 PROJECT SUMMARY

Your Name (List all student names if multiple authors.) Alana S. Maiello	Science Fair Use Only
Project Title (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9) Balanced or Unbalanced? That Is the Question	J0118
Preferred Category (See page 5 for descriptions.) 1 - Applied Mechanics/ Structures & Mechanisms/ Manufacturing	Division <input checked="" type="checkbox"/> Junior (6-8) <input type="checkbox"/> Senior (9-12)
Abstract (Include Objective, Methods, Results, Conclusion. See samples on page 14.) Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges.	
<p>Objective: The objective was to determine that the balance of a golf ball affects the roll of a putt of the ball.</p> <p>Methods: In my procedure, 127 different kinds of golf balls were obtained and tested for their balance in a container filled with a mixture of lukewarm water, Jet-Dry, and Epson salts. The ball would be placed at the bottom of the container and when it had floated to the top, a dot was placed on it. This process was repeated five times for each ball. A putting structure was constructed and the putting test was performed to test if the balls' balance affected the accuracy of a consistent putt.</p> <p>Results: Most of the balls proved to be unbalanced. Every ball seemed to exhibit a heavier side, but some balls' weight seemed to be more dispersed than others. When the 127 balls were putted, most of the balls landed in the same place, regardless of balance status.</p> <p>Conclusion: In my conclusion, the balance of a golf ball does not affect the landing spot of the golf ball when putted. This project is important to society because it investigates what many take for granted as perfect.</p>	
Summary Statement (In one sentence, state what your project is about.) My project investigates the balance of a golf ball and how any imbalance affects their landing spots' when putted.	
Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4. Dad carried putting structure; Randy Niswander and Stephen and Gary Poorboy constructed putting structure; and, Jon Fielder and Brian Glad let me use golf balls from their Las Posas Country Club pro shop.	