



**CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY**

Name(s) Austin McCullough; Ian Odermatt	Project Number 34701
Project Title Is a Higher Priced Soccer Ball Worth the Money?	
Abstract Objectives/Goals Our project is to determine whether a more expensive soccer ball travels further and is more consistent than a less expensive soccer ball. We think the more expensive soccer ball will travel further and be more consistent than the lower priced soccer ball. Methods/Materials A kicking device made out of wood and metal pipes is constructed to control the velocity of the kick. Use four different balls of different prices, two balls being very inexpensive, a medium priced ball, and 1 highly expensive ball. Test the various distances of the balls by having the pendulum kick each ball six times. Then, find the average of each ball. Results The highest priced soccer ball traveled further and was more consistent than the lower priced soccer balls, while the lowest priced soccer ball was the very inconsistent and traveled the shortest distance. Conclusions/Discussion In conclusion, higher priced soccer balls travel further and are more consistent than lower priced soccer balls due to less drag and better build quality.	
Summary Statement Our project is about the performance of soccer balls based on cost.	
Help Received No help.	