

CALIFORNIA STATE SCIENCE FAIR 2010 PROJECT SUMMARY

Name(s)	Project Number
Derek M. Abbott	
Project Title	
Aerodynamics of a Golf Ball	
The ought milles of a Golf Dan	
Abstract	
Objectives/Goals Abstract	
The purpose of my project was to see if the number of dimples on a golf ball changes its range.	
Methods/Materials	
Materials:	
# Golf Ball Launcher (home made) # Compressed Air Supply	
# Compressed Air Suppry # Multiple Golf Balls (test subjects)	
# Mattiple Con Dans (lest subjects) # Measuring Equipment	
# Camera	
# Safe Controlled Area	
Procedures:	
1. Obtain different Titleist golf balls for testing	
2. Make a golf all launcher to test the golf balls	
3. Mark out every meter in an open area	
4. Test each type of golf ball ten times 5. Record data while testing	
5. Necold data while testing 6. Make a tables and graphs	
7. Average the length for each ball	
8. Share your results	
Results	
The results of my experiment showed that the golf ball with no dimples flew the farthest when launched at	
7.6 bar and the ProV1 with 332 dimples flew the farthest when launched at 5.2 bar, proving my	
hypothesis partially wrong.	
Conclusions/Discussion	
During the testing of my project I was proved partially right. I believed that the ball with no dimples would fly the forthest when lownshed at my high processing 7.6 her (110 DSI), while the ball with 202	
dimples would go the farthest when launched at the lower pressure of 5.2 har (75 PSI). My hypothesis was	
proved right as the ball with 0 dimples went the farthest at 7 6 bar but, was also proved wrong as the	
ProV1 with 332 dimples went the farthest at 5.2 bar.	proved wrong us the
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Summary Statement	
My sience fair project was to test the effect of dimples on the range of a golf ball.	
Help Received	
I Used the machine shop and welder under the supervision of my father at his n	lace of business