



**CALIFORNIA STATE SCIENCE FAIR  
2008 PROJECT SUMMARY**

<b>Name(s)</b> Austin B.T. Keys	<b>Project Number</b> <b>J0112</b>
<b>Project Title</b> Golf Ball Dimples and Drag	
<b>Abstract</b> <b>Objectives/Goals</b> Do golf balls really have to have dimples? That is what my science fair project is about. The purpose of this project is to see if golf balls really need dimples to travel a greater distance. <b>Methods/Materials</b> Two golf balls of similar size and shape, in addition, another golf ball was prepared by sanding the surface to a smooth finish. The tests were performed by placing the ball in the rubber slingshot and pulling it back to a starting point marked on a wooden platform. The device was released and the distance the golf ball traveled from the starting point was then measured in feet, using a measuring wheel. <b>Results</b> The golf ball with dimples traveled a greater distance than the one without dimples. Dimples make the golf ball go further. <b>Conclusions/Discussion</b> The project did support the hypothesis because the golf ball with dimples went a greater distance than the golf ball that was sanded down.	
<b>Summary Statement</b> Proving whether or not golf balls need dimples.	
<b>Help Received</b> Mom helped with gluing board; dad helped build the "slingshot"; Chris Barnum, student mentor, helped with ideas; Joan Piper and Kim Cantrell, teachers, helped with research ideas	