



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Thomas Keiffer	Project Number J0115
Project Title Does Ball Speed Increase the Effect of Spin?	
Abstract Objectives/Goals To determine if the speed that a ball is traveling will increase or decrease the effect of spin. Methods/Materials I have constructed a wind tunnel that I have used to blow high speed winds past a spinning ball. During this process I have recorded the data to see if I have proven my hypothesis correct. Results Results showed that the greater the spin the greater the effect on the movement of the ball. Conclusions/Discussion Increasing ball speed will increase the effect of spin on the ball. The greater the speed, the greater the spin. When spinning with top-spin at 5mph, the average degrees of movement was 16.2 at 30 mph the average was 23.2 degrees and the average at 60 mph was 26.5 degrees.	
Summary Statement Understanding windspeed effects on ball spin	
Help Received father helped build wind tunnel	