



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Thomas Keiffer	Project Number 22262
Project Title Does Ball Speed Increase the Effect of Spin?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals To determine if the speed that a ball is traveling will increase or decrease the effect of spin.</p> <p>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.</p> <p>Results Results showed that the greater the spin the greater the effect on the movement of the ball.</p> <p>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.</p>	
Summary Statement Understanding wind speed effects on ball spin	
Help Received father helped build wind tunnel	