



**CALIFORNIA STATE SCIENCE FAIR
2007 PROJECT SUMMARY**

Name(s) Eric E. Young	Project Number J0127
Project Title The Fast, the Furious, and the Aerodynamic	
Abstract Objectives/Goals My objective is to determine which car shape is the most aerodynamic. Hypothesis: I believe that the car with the small back and a small surface area will do the best in the wind tunnel. Methods/Materials Materials: 7 car models 1 ruler 1 Testing chassis 1 wind tunnel 1 instrument to measure amps Procedure: Made 7 car models Ran 7 models through the wind tunnel. measure how many Cm the car moved backwards at wind speeds of 1-10 amps Results Car #5 did best and car #1 was close behind. Then there is a big gap between #1 and #2 who was third. #7 was in fourth almost tied by #6. #3 got 6th and #4 was a complete washout compared to the others. Conclusions/Discussion My conclusion is that my hypothesis was correct because #1, who embodied all of the characteristics and came closely in second.	
Summary Statement The relation of car's shape to how aerodynamic it is.	
Help Received My dad had the materials and helped me build the wind tunnel and helped me test	