



**CALIFORNIA STATE SCIENCE FAIR  
2014 PROJECT SUMMARY**

<b>Name(s)</b> <b>Jaylan C. Catacutan</b>	<b>Project Number</b>  34086
<b>Project Title</b> <b>Car Aero: How Aerodynamics Affect a Car</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My goal is to find how the shape and the edges of a car affect top speed, gas mileage, handling and acceleration. <b>Methods/Materials</b> I used hobby boards, fans and acrylic to create a wind tunnel and find how air reacts to a car in motion. I used a variety of model cars ranging from 1:24 scale to 1:18 scale. <b>Results</b> After testing, i learned that smooth and subtle edges on a car helps increase gas mileage, acceleration, speed and handling. <b>Conclusions/Discussion</b> Overall, I have concluded that smooth and subtle lines helps a car all together, i also learnd that spoilers on the rear end of the car help reduce resistance of air on the car for better speed.	
<b>Summary Statement</b> My project is about the effect of aerodynamics, wind resistance and air odrag on a car	
<b>Help Received</b> Dad helped cut materials for the wind tunnel assembly	