

CALIFORNIA STATE SCIENCE FAIR 2010 PROJECT SUMMARY

Name(s)	Project Number
Brian A. Clark	J0605
Project Title	
Driven to Distraction	
Objections (Cools Abstract	
 Objectives/Goals The objective of this project was to determine which of t greatest effect on a driver's reaction time: eating, talking free cell phone, using hygiene products, listening to a cry texting while driving had the greatest effect on a driver's Methods/Materials Each subject sat in front of a computer running a driving Fusion 2. At random intervals during the program, an obstepped on a brake to stop the simulated vehicle. The prireaction time from when the object entered the frame with Each driver repeated the simulated driving test eight time each distraction. Results Texting consistently had the greatest effect on the subject	on a hands held cell phone, talking on a hands ving baby, and texting. The hypothesis was that reaction time. simulation program written in Multimedia oject entered the frame window and the subject ogram would then accurately record a subject's ndow to when the subject pressed on the brake. es: twice with no distractions and one test for
Hygiene products slowed down subjects 13%, hands hele slowed them down 2%, listening to a baby cry and talkin faster. Conclusions/Discussion	d cell phones slowed them down 3%, eating
The hypothesis was proven correct because texting had t Texting and using hygiene products both have a large eff potentially leade to a car crash. Additionally, the standar higher than other types of distractions. My results agree Vehicles statement that drivers should not text while driv	Tect on a driver's reaction time and if used, can rd deviation among texting subjects was much d with the California Department of Motor
Summary Statement This project determined which of several common distra reaction time.	ctions had the greatest effect on a driver#s
Help Received My mother helped me install software to run video in the	simulator, Dad helped solder the brake together