



Name(s)		Project Number
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Project Title		
Distracted Drivers		
	Abstract	
 Objectives/Goals The objective of this project was a driver's reaction time. Methods/Materials To test my hypothesis, I designed texting. The program was written 	to quantitatively measure how much and created a two-part program tha a using the Scratch programming lar	a texting while driving affects a t simulates driving with and without aguage (from MIT).
To simulate driving without textine and the driver is instructed to hit to time (the time from when the pede program.	ng, a pedestrian appears randomly of the break button when he/she sees the estrian appears to when the driver he	n the screen every 10-20 seconds, ne pedestrian. The driver's reaction its the break) is recorded by my
To simulate driving while texting driver will answer basic questions pedestrians appear.	, the same procedure is repeated wit s from the chat box while trying to h	h an interactive chat box added. The it the brake as soon as possible when
I had 24 different people test my p Results Every driver's reaction time was s when texting. Conclusions/Discussion My data showed that texting while provided an easy, safe, and fun wa road.	program, with 5 trials per person, an slower when texting, and the average e driving dramatically slows down o ay to test the effects of texting witho	ad all reaction times were recorded. e reaction time was 141% slower drivers' reaction time. My project but having to put drivers on a real
Summary Statement In this project, I created a simulat driver reaction time in a safe and	ion program that can quantitatively fun way.	measure the effect of texting on
Help Received teacher gave feedback on experim neighbors help test the program	nent, mom gave feedback on the sim	ulation program, friends and