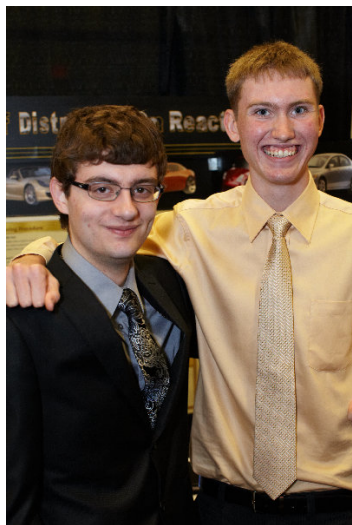


CWSF 2012 - Charlottetown, Prince Edward Island



Dominic Chouinard, Jesse Schmitz

Effect of Distraction on Reaction

Challenge: Discovery

Category: Senior

Region: Prairie Valley

City: Lumsden, SK

School: Lumsden High

Abstract: This project examined people's reaction times with cell-phone distractions. Eighty participants completed tests to measure their visual and audio reaction times while distracted and not distracted by cell-phones. These tests were completed using computer programs that we coded. The reaction times were averaged to discover how cell-phone distractions impact people's reaction times. This information was used to determine whether cell-phones should be used while driving.

Biographies

Dominic - I, Dominic Andre Gerard Chouinard was born in Winnipeg, Manitoba. My parents moved to Lumsden, Saskatchewan when I was about a year old. I have lived in Lumsden ever since and currently attend Lumsden High School. I am a member of the Lumsden High School SRC and have volunteered many hours to several activities and projects. I was also involved with a major fundraiser for the Regina Foodbank. Over the years, I have won many awards in science, history, math, computer technology, accounting and in other subjects. I am very interested in computers and am an avid reader of both fiction and non-fiction books. My dream is to become a doctor someday...

Jesse - Jesse Schmitz is a grade twelve student at Lumsden High School. He resides in Lumsden, Saskatchewan with his parents and sister. He curls, plays trombone in the school jazz band, and is an avid member of LHS Improv and Drama Club. He is currently accepted into the University of Regina's Faculty of Engineering and Applied Science. His plans are to become an Environmental Engineer. He was interested in the increasing amounts of legislation against distracted driving. After learning about the nervous system in his Biology class he wondered how cell-phone distractions impacted people's ability to react in certain situations.