

## CWSF 2007 - Truro, Nova Scotia



### Meghan Buckle

#### The Effect of Cell Phone Use on Reaction Time

**Division:** Physical & Mathematical Sciences / None

**Category:** Junior

**Region:** North Bay

**City:** North Bay, ON

**School:** St. Hubert E.S.

**Abstract:** The purpose of this project was to determine the effect of cell phone use on reaction time. The reaction time of subjects was tested while concentrating on a reaction time test exclusively and while using a hand-held and hands-free cell phone. The results indicated that reaction time becomes slower when talking on a cell-phone and that age/ gender are also variables that affect reaction time.

#### Biography

My name is Meghan Buckle. I am 12 years old and I live in North Bay, ON. I am in grade 7 at St. Hubert Catholic School. I am a straight A student and this year I was elected Deputy Prime Minister of Student Council. I play on my school volleyball and basketball teams. I also participate in the "Adopt a Grand friend" program at a Retirement Home with other students and was also an organizer for my school's Smart Risk Fair this year. I am on several other sports teams including the North Bay Youth Volleyball Club, North Bay 13 U Competitive Soccer Team, North Bay Legion Track Team and I also play Girls' House League Hockey. Some of my accomplishments over the past few years include the Rotary Club of Nipissing-Student of the Month Award, selected to play on the Northern Ontario Regional Soccer Team, Kiwanis Festival of Music -1st / 3rd place winner in age category for violin, 1st place and highest overall mark for recorder trio. Most recently I won a gold medal at the 2007 North Bay Regional Science Fair in the Life Science category and the Rotary Club of North Bay Award of Excellence.