

# CWSF 2010 - Peterborough, Ontario



## Brain Drain

**Division:** Life Sciences

**Category:** Junior

**Region:**

**City:** ,

**School:**

**Abstract:** For this experiment, I investigated the mechanics of how a hockey helmet absorbs an impact force and how it protects the head. Understanding the use of air bags in vehicles, I hypothesized that a 200mL Kool-Aid Jammer representing an air bag would improve the absorption quality. I designed 2 apparatuses, one to impact the media and one to measure the impact force.

Awards	Value
The University of Western Ontario Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: University of Western Ontario	\$4 000
Gold Medal - Engineering - Junior Sponsor: Youth Science Canada	\$1 500
Total	\$5 500