

# CWSF 2012 - Charlottetown, Prince Edward Island



## Cameron Lidkea

### Striking Difference

**Challenge:** Discovery

**Category:** Junior

**Region:** Sunset Country

**City:** Fort Frances, ON

**School:** J.W. Walker E.S.

**Abstract:** The purpose of this experiment was to compare impact of punches in two combat sports: Boxing and Mixed Martial Arts. Wearing gloves designed for each sport, 18 participants punched a heavy bag with two high-impact accelerometer sensors attached. Overall, there was a 13% greater impact using the MMA gloves, suggesting potentially a higher risk for brain trauma and/or head injury in MMA.

### Biography

My name is Cameron Lidkea. I am a grade 7 student at J.W. Walker Elementary School in Fort Frances, Ontario. I have been a competitive wrestler for 4 years. I have also trained in Taekwondo and Brazilian Jiu jitsu. I also play soccer. I have always been interested in science. I was told by my teacher to pick a topic that interested me, so blending science and combat sports seemed to be a good fit. I plan on continuing my combat sport training as well as my studies, so who knows what the future holds! My suggestion for students interested in doing a project is to do something they are truly interested in. It will make a difference in the quality of your work and make you want to put your best effort into it.

### Awards

### Value

Excellence Award - Junior - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$300
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 300</b>