

## CWSF 2009 - Winnipeg, Manitoba



### Kiera Garagan

#### Ouch My Head

**Division:** Health Sciences / Automotive

**Category:** Junior

**Region:** Manitoba Schools Science Symposium

**City:** Winnipeg, MB

**School:** St. Mary's Academy

**Abstract:** One third of seniors over 65 years old suffer an unintentional fall each year. Traumatic Brain Injuries (TBI) due to falls is prevalent yet awareness is lacking among seniors. Fashionable helmet protection is also lacking. This project set out to solve this issue. Testable prototypes were designed to fit under an existing seniors headwear choice therefore leading to better acceptance.

#### Biography

Kiera Garagan was born in Winnipeg, Manitoba in 1992. She is a grade eight student at St Mary's Academy in Winnipeg. Kiera is heavily involved with sports. She swims competitively with the Manta Swim Club in Winnipeg. Kiera is expecting to obtain her Black Belt in Taekwondo early in 2010. Kiera also enjoys running, cycling and down hill skiing. She enjoys reading and is presently working through the Twilight series. Kiera's career plans are in the area of veterinary science. Kiera has travelled the world having visited over 20 countries. She has climbed the Sydney Harbor Bridge, abseiled 300 feet into the caves of New Zealand, explored inside an active volcano crater, skied off a 11,000 foot high mountain top, climbed Victoria Peak in Hong Kong and explored the markets of Dubai. Kiera looks forward to exploring many more of the worlds wonders.

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