

# CWSF 2006 - Saguenay, Québec



## Douglas Fournier, Alie McMeekin

### Nothing But Net

**Division:** Health Sciences

**Category:** Senior

**Region:** Rideau-St. Lawrence

**City:** Smiths Falls, ON, Merrickville, ON

**School:** Smiths Falls District Collegiate Institute

**Abstract:** Through the use of a catapult device designed to model a human's basketball shot, optimum angles and forces were found for people of all heights. To apply findings to the game, optimum parabolic arcs were derived. The arcs were placed in front of a video camera, providing a cheap and effective way for players to train.

Awards	Value
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Engineering - Senior Sponsor: Youth Science Foundation Canada	\$700
Total	\$2 200