



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



