

# CWSF 2006 - Saguenay, Québec



## Jonathan Tomkun

### Put a Spin On It

**Division:** International

**Category:** Senior

**Region:** Waterloo-Wellington

**City:** Waterloo, ON

**School:** St. John's-Kilmarnock School

**Abstract:** Four kinds of balls were spun at various rates and exposed to varying wind speeds. The pressure differential between opposite sides of each ball was measured. As the rate of spin increased, the pressure differential increased. As the wind speed increased, the pressure differential increased quadratically.

Awards	Value
CAP Physics Prize - Senior Sponsor: Canadian Association of Physicists	\$1 000
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Physical & Mathematical Sciences - Senior Sponsor: Encana Corporation	\$300
<b>Total</b>	<b>\$2 300</b>