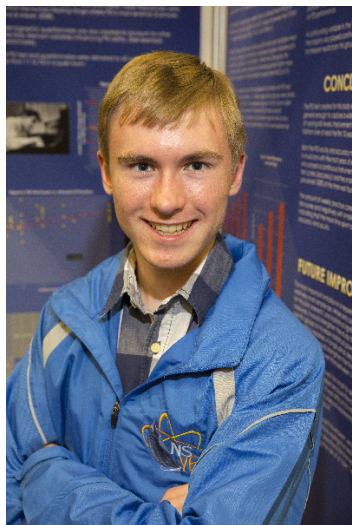


## CWSF 2014 - Windsor, Ontario



### Donovan Cassidy-Nolan

#### Pitch Please!

**Challenge:** Discovery

**Category:** Intermediate

**Region:** Annapolis Valley

**City:** Wolfville, NS

**School:** Horton High School

**Abstract:** In this study, 60 subjects with varying degrees of musical experience were given a newly-designed pitch discrimination (PD) test. Their performance was analyzed for both accuracy and acuity. Subjects' scores increased in both measures over a 10-year period of musical experience. Subjects who played continuous-pitch instruments showed superior PD at 6-10 years, suggesting that these instruments may optimize PD performance in young musicians.

#### Biography

I am a grade 10 student from Wolfville, Nova Scotia. I began playing violin and piano at the age of four, but I have been making potions and running experiments in my basements long before that. Combining both interests in a musical experiment has been a great pleasure! In my spare time, I enjoy running, skiing, snowboarding, Tetris and a good ping pong game. I also have recently taken up the Rubik's Cube and, one day, hope to be able to solve it in under 10 seconds. My idols are Sherlock Holmes and Mr. Spock.

#### Awards

#### Value

Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	\$300
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
<b>Total</b>	<b>\$2 300</b>

