

## CWSF 2007 - Truro, Nova Scotia



### Kendra d'Eon

#### The Physics of Show Jumping

**Division:** International / None

**Category:** Senior

**Region:** Tri-County

**City:** Shelburne, NS

**School:** Shelburne Regional High School

**Abstract:** If a horse were to follow the path used to calculate the time allowed, while traveling at the suggested velocity, a horse will obtain time faults. This project explores physical data on show jumping, which brought me to the above conclusion. I've used this data to formulate a mathematical model for competitor use during show jumping competitions, to better their chances of winning.

#### Biography

My name is Kendra d'Eon, a twelfth grade student from Shelburne Regional High School. Throughout my high school years, I have managed to develop a passion which has helped me grow and develop into the person I am today. This passion belongs to my horses. As an equine competitor and coach, I have developed a well of knowledge on the topic. From natural horsemanship, and training techniques, to the scientific ins and outs of the topic, I have been able to cover all of my bases, something that I found necessary as I developed my own business, Kendra's Equestrian Services. When I was fifteen, I started with one horse and taught two lessons a week. I have since expanded to three horses and daily visits to the barn filled with lessons, mentoring, and training. While busy with my studies at school, and my demanding job at the barn, spare time for me is precious. Within this free time you could find me in a variety of places, the most common would be on stage, singing my heart out at local talent competitions, or curled up, lost in poetic thoughts and creative writing.

#### Awards

#### Value

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>\$1 300</b>