

## CWSF 2008 - Ottawa, Ontario



### Stephanie Plourde, Lauren Quattrocchi

#### Physics Of A Slapshot

**Division:** Health Sciences / None

**Category:** Senior

**Region:** Rideau-St. Lawrence

**City:** Jasper, ON, Smiths Falls, ON

**School:** Smiths Falls District Collegiate Institute

**Abstract:** This project studied the physics behind a slap shot by looking at four specific aspects. A device was created to be placed on a hockey stick to increase the speed of a slap shot. Using a variety of levelled players, slap shots were taken with and without the device. These tests showed that when players used the device, the speed of their shot increased.

#### Biographies

Stephanie - My name is Stephanie and I am daughter to Mike and Suzanne Plourde and sister to Simon who is studying Civil Engineering at Carleton University. I was born and raised in Smiths Falls, Ontario and am 18 years old. I am fluently bilingual in French and English and attending Smiths Falls District Collegiate Institute in grade 12. Next year I will be returning to do an extra year of high school, to help me make a more informed decision of which career path to pursue. I enjoy math and sciences, particularly physics and algebra and am considering engineering for my university education. My academic average is currently 91%. Hockey is one of my deepest...

Lauren - I am currently in my final year of high school at Smiths Falls DCI. Throughout my years there and many previous I have been involved in dance. I dance many different styles and I also teach dance. By being involved in dance I was able to take part in many community events throughout the years. Dance has been a huge part of my life but another huge part has been school. I have always obtained top marks in my classes and in both grade nine and ten I was the top academic student. A major accomplishment of mine was completing a 21km half-marathon last May. It was a lot of work, hours and commitment but after completing it, it made me realize that...