

# CWSF 2012 - Charlottetown, Prince Edward Island



## Carina Fascinato

### Family Spines

**Challenge:** Health

**Category:** Junior

**Region:** Bluewater

**City:** Owen Sound, ON

**School:** Notre Dame E.S.

**Abstract:** This investigation examined the hereditary relationship in families with respect to lower back function as measured by dynamic surface electromyography and range of motion measurements in the lumbar spine in forward flexion, lateral flexion and rotation. Results concluded that there appears to be a strong hereditary relationship for the same-gender grandparent, parent, and children in families with respect to forward flexion, lateral flexion and rotation.

### Biography

My name is Carina Fascinato and I am in grade seven attending Notre Dame Catholic School in Owen Sound, Ontario. My favourite subjects in school are science, mathematics and art. I am a member in my school band and play the saxophone. I also play the piano, guitar and sing. I do many forms of dance such as highland dancing, ballet, jazz and hip hop. I compete in highland dancing all over the world. When I am older, I would like to be Chiropractor because I have always been interested in human anatomy with special attention to the human spine. I like the fact that they are natural doctors that focus on wellness to help remove pain and improve health. In grade five, I participated in the Bluewater Regional Science and Technology Fair where I won a gold medal and other special awards. My science fair project was published in the "Canadian Chiropractor" magazine in 2010. This year, I am honoured to represent my region at the Canada-Wide Science Fair in 2012. I have always had a passion for science fair projects and I hope to do many more in the near future.

### Awards

### Value

Excellence Award - Junior - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$300
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 300</b>