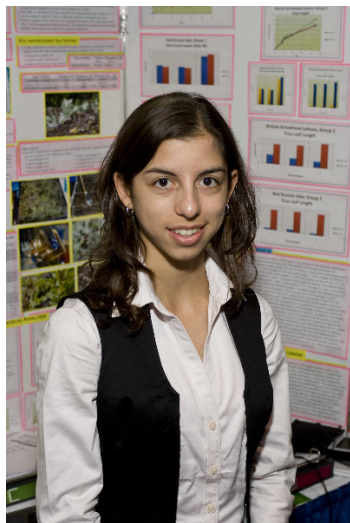


# CWSF 2010 - Peterborough, Ontario



## Stephanie Gaglione

### VeggiePanel: An Ultra-Light Green Roof Innovation for Urban Food Security and Wa

**Division:** Health Sciences

**Category:** Intermediate

**Region:** York

**City:** Woodbridge, ON

**School:** St. Robert Catholic H.S.

**Abstract:** In response to urban food security, environmental sustainability, and overburdened waste disposal programs, ultra-light extensive green roof panels were utilized with a comprehensive compost tea system to grow locally selected edible plants, resulting in a yield with greater quality and size in comparison to plants produced with fertilizers, while maintaining the benefits of a conventional green roof system.

#### Biography

Currently a grade 10 student at St. Robert CHS in the pre-IB program, Stephanie Gaglione is a talented, highly motivated, and athletic young woman. Constantly involved in extra-curricular activities, she is a member of the Leadership senior debate team, school newspaper committee, running club, ski team, environmental club, and Reach for the Top club. She is currently participating in an ecology mentorship program at the University of Toronto and enjoys model United Nations. Stephanie enjoys a variety of sports, and excels in competitive figure skating, swimming, cross country and alpine skiing, team sports, cross country running, for which she placed in the top 100 in OFSAA, and track and field. Even so, she has maintained a 98% academic average in both grade 9 and grade 10, and enjoys science, particularly biology and chemistry, math, English, French, and economics, and loves to read. Over the summer, Stephanie takes pleasure in canoe tripping in Algonquin Park and recently completed a two week canoe trip in 2009. In the future, Stephanie seeks to enter the field of science, perhaps environmental science or engineering.

#### Awards

#### Value

Australian National Youth Science Forum Award	\$2 500
Renewable Energy Award - Intermediate Sponsor: Ontario Power Generation	\$750
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Earth & Environmental Sciences - Intermediate Sponsor: Suncor Energy Inc.	\$300
<b>Total</b>	<b>\$4 550</b>