



## CWSF 2009 - Winnipeg, Manitoba



## Biography

I am a Grade 7 French Immersion student at École New Era in Brandon, Manitoba. Along with school sports like basketball, volleyball and badminton, I play hockey. I also like to golf, ski, swim and race go-carts in the "Kiwanis Kar Derby". I play the violin in the Suzuki Junior Orchestra at the Brandon University School of Music and I play the euphonium in the school band. One day, I would like to be a dentist.

## Julia Starko

## Let The Sun Shine

Division:	Biotechnology / None
Category:	Junior
Region:	Western Manitoba
City:	Brandon, MB
School:	New Era
Abstract:	This project studied the effect of Vitamin D on bacterial growth. Soil solution samples containing different amounts of Vitamin D were plated in home-made nutrient agar. Bacterial growth was recorded after a 48 hour incubation period in a converted oven. All samples containing Vitamin D had less bacterial growth than samples without Vitamin D. Also, as the

Awards	Value
Petro-Canada Peer Innovation Award - Junior - Central Canada	\$200
Sponsor: Petro-Canada	
The University of Western Ontario Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Bronze Medal - Biotechnology & Pharmaceutical Sciences - Junior	\$300
Sponsor: Youth Science Canada	
Total	\$1 500

amount of Vitamin D increased, bacterial growth decreased.



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