

## CWSF 2009 - Winnipeg, Manitoba



### 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 amount of Vitamin D increased, bacterial growth decreased.

#### 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 "Kiwaniis 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.

#### Awards

#### Value

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