

# CWSF 2010 - Peterborough, Ontario

## Rebecca Fisher, Mikayla Preete

### Sew-Go-Ponics

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by request.

**Division:** Earth & Environmental Sciences

**Category:** Intermediate

**Region:** Prairie Valley

**City:** Lumsden, SK

**School:** Lumsden High

**Abstract:** This project determines the optimum hydroponics conditions under which plants remove common nitrogen and phosphorus contaminants from sewage water to meet discharge standards. The project determines that wastewater treatment centres would find it most beneficial to use dicotyledonae plants to polish partially treated wastewater in no longer then 3.5 hours.

### Biographies

Rebecca - My name is Rebecca Fisher, and I am currently 15 years old. I live in the town of Lumsden, Saskatchewan, and have for most of my life. In my spare time I love to dance, and do so competitively. The dances I am enrolled in are Jazz, Tap and Lyrical, all of which I am fortunate to be a part of. Also, I work part time and am proud to be a legitimate Subway Sandwich Artist. Whenever I have spare time I enjoy reading novels and have a love of books of any genre, going out with friends and heading outside on long walks or runs. One experience I have which I will never forget is a family trip to Fernie a few years back, where a break in the middle o...

Mikayla - My name is Mikayla Preete and I live on an acreage outside of Lumsden, Saskatchewan where I attend grade ten at Lumsden High School. After high school I intend to pursue a career in design. My hobbies include sports, music, art, travelling, watching old movies, and being with my friends. I play softball, basketball, and volleyball. I am also involved in my school's SRC, play the baritone saxophone in our senior jazz band, and take piano lessons. I have been fortunate to do alot of travelling in my life. In the past four years, I have travelled to Europe, Australia, and many times to the United States. I strongly enjoy the element of design an...

### Awards

### Value

Honourable Mention - Biotechnology & Pharmaceutical Sciences Intermediate Sponsor: Youth Science Canada	\$100
Total	\$100

