

## CWSF 2008 - Ottawa, Ontario



### Shelby Cox

#### Oleophilic Bacteria....Creating a Greener Tomorrow

**Division:** Engineering & Computing Sciences / None

**Category:** Senior

**Region:** Central Newfoundland

**City:** Lawn, NL

**School:** Holy Name of Mary Academy

**Abstract:** The experiment demonstrates how using organisms called Oleophilic Bacteria can clean contaminated soil. Part one of the experiment showed bacteria growth in water that was visible to humans using a bioremediation kit. The second stage was with contaminated soil and using fertilizer and bacteria to clean the contaminate. The third stage was the results from Maxxam Lab to show pre and post results.

#### Biography

Hi, My name is Shelby Cox and I am a Level 2 student at Holy Name of Mary Academy in Lawn, Newfoundland & Labrador. I am involved in a number of different activities at my school which includes drama, sports, Allied Youth, Tutoring for Tuition and Kindergarten slideshow for graduations to name a few. My interest in Science Fairs started a few years back in Grade 7 after getting a taste of success. I wanted to continue being involved because I really enjoyed learning about various scientific processes. My current investigations on Bioremediation has come from the ongoing attention associated with numerous environmental issues facing today's society. It is very important for today's youth to take notice of these issues and then try to address these problems in order to have a safe future for everyone. I wish everyone competing the best of luck, thank-you to the adjudicators, teachers and organizers who have provided this great opportunity!