

## CWSF 2013 - Lethbridge, Alberta



### Lauren Ebata

#### Oil in the Undergrowth

**Challenge:** Environment

**Category:** Junior

**Region:** Vancouver Island

**City:** Victoria, BC

**School:** St Margaret's

**Abstract:** Motor oil, kerosene, gasoline and a mix of all three were placed on trays containing moss, fern and grass and monitored over a 2 week period and compared to an untreated control. The reaction to the treatments varied by plant species. These results suggest that the reaction by different plants to a range of oil distillates is variable.

#### Biography

I'm a 12 year old girl from Victoria B.C. I go to Saint Margaret's School and some classes I really enjoy at school are science, sewing and social studies. I enjoy playing tennis, badminton, soccer and doing archery. I play fiddle, and I play alto saxophone in school for band class. I love to draw, paint and write in my free time, as well as play Minecraft, watch the TV shows "Elementary", "Arrow" and "How it's Made" and take photographs. I'm a really environmentally oriented person and I love to inspire others to learn to love the Earth. I got the inspiration for my project from the news when it was announced that an oil pipeline was proposed to be built from Alberta to B.C.'s northern coast. In further investigations, I would like to discover ways to help people with busy lives reduce their ecological footprint and environmental impact by using new inventions and technology. In the future I would like to become an ecological engineer. For others that are thinking about doing a project, I advise them to do a project relating to what they are passionate about, because loving what you do is key to being confident.

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
www.youthscience.ca / info@youthscience.ca  
416-341-0040