

## CWSF 2013 - Lethbridge, Alberta



### Nina Verbonac

#### Factors That Affect Fluorescence

**Challenge:** Discovery

**Category:** Junior

**Region:** Beaufort-Delta

**City:** Inuvik, NT

**School:** Samuel Hearne Secondary School

**Abstract:** For this project 100% organic cotton, polyester, leather, and rubber swatches were selected, each in the following colors: white, red, and black. Swatches were observed separately while being exposed to black light. The results showed significant difference in the amount of fluorescence produced between materials, and, that lighter colors produced greater amounts of fluorescence. Following that trend, white organic cotton produced the most fluorescence.

#### Biography

Hello, my name is Nina Verbonac, I am 13 years old and in the 8th grade. I have recently developed a big interest in science projects, and so I enjoy them and hope to continue doing well in upcoming science fairs! I go to East Three Secondary School in Inuvik, NT. I am really into sports such as: track and field, hockey, speed skating, and swimming. I have gone to many competitions in my life, such as Canada West Short Track Competition (for speed skating) two years in a row and lots of hockey tournaments too. I can be shy, but once you get to know me I get a little more out there!