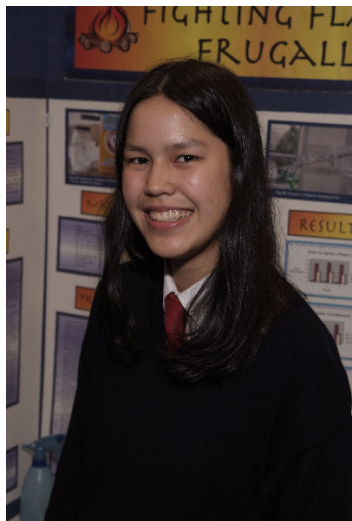


# CWSF 2007 - Truro, Nova Scotia



## Adrienne Duimering

### Fighting Flames Frugally

**Division:** International / None

**Category:** Intermediate

**Region:** Vancouver Island

**City:** North Saanich, BC

**School:** St Margaret's

**Abstract:** My experiment is designed to find out if baking soda and ammonium sulfate are effective alternatives to the expensive commercial fire retardants and the best concentration to use for different materials. My results were that the more concentrated the compound was, the better it worked. The baking soda and ammonium sulfate were both effective fire retardants and affected the flammability of the various materials differently.

#### Biography

My name is Adrienne Duimering. I am fourteen years old and attending Grade 9 at St. Margaret's School in Victoria, B.C. My favourite subjects are math and science, and I love to learn new things. I have been playing the piano for nine years. I live with my parents and older sister, Adele, on the border of John Dean Provincial Park. I would love to have a Nova Scotia Duck Tolling Retriever--that would be my ideal pet! My favourite TV show is Grey's Anatomy, and I would like to enter the medical field myself. I love skiing with my family on Vancouver Island. I enjoy visiting Strathcona Provincial Park and partaking in outdoor activities. I have competed in the Vancouver Island Regional Science Fair for the past five years, and this is my first trip to the Canada Wide. I am very excited about this opportunity!

#### Awards

#### Value

The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Physical & Mathematical Sciences - Intermediate Sponsor: Encana Corporation	\$700
Total	\$2 200