

## CWSF 2007 - Truro, Nova Scotia



### Greer Stanier

#### What "milk" makes the best natural plastic?

**Division:** International / None

**Category:** Junior

**Region:** Ottawa

**City:** Ottawa, ON

**School:** Fisher Park P.S./Summit A.S.

**Abstract:** Most plastics we use today are synthetic, but there are some forms of natural polymers. During my experiment, I was testing to see if I could make the casein protein in milk polymerize to make a natural plastic. I then experimented with a variety of milks - skim, whole, goats and soy to see which plastic was the strongest and hardest.

#### Biography

I was born, and still live in Ottawa where I am a grade 7 French immersion student at Fisher Park Public School. I enjoy many sports including volley ball, basket ball, soccer, unicycling and downhill skiing. This summer I am looking forward to trying out white water kayaking at a camp. I have made the school honour role in my first 2 terms this year and plan to keep working hard at school to maintain my academic achievements. Although I enjoy both science and math, my favourite subjects at school are art and physics. I think that I would like to become an architect or an industrial designer.

#### Awards

#### Value

Agriculture and Agri-Food Canada Award - Junior	\$500
Sponsor: Agriculture and Agri-Food Canada	
Total	\$500

