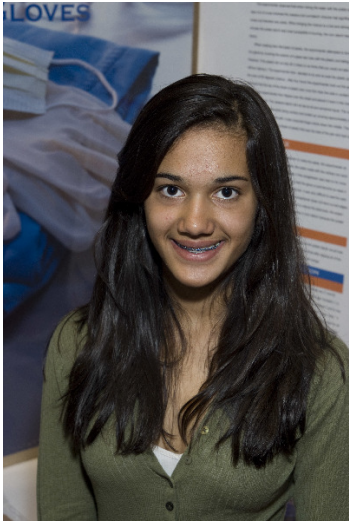


## CWSF 2008 - Ottawa, Ontario



### Danielle Appavoo

#### Lending a Hand: Bio Gloves

**Division:** Engineering & Computing Sciences / Environmental Innovation

**Category:** Junior

**Region:** Avon Maitland-Huron Perth

**City:** Goderich, ON

**School:** Colborne Central P.S.

**Abstract:** Environmental problems are growing globally. This project aims to reduce the amount of petroleum products wasted by using non-biodegradable surgical gloves by creating a biodegradable one. Three different starches were tested in creating the plastic and potato starch was the most suitable. A glove was composed of this starch and the water strength of this plastic was also tested. Labeling of biodegradable-plastics is also important.

#### Biography

I have played the violin for 8 years and have participated in a junior orchestra for 2 years. I have completed a 4-H sheep club. I have achieved my yellow belt in Ju Jitsu. I enjoy downhill skiing, swimming, and sailing. I enjoy taking pictures. I aspire to be a movie director or producer.