

## CWSF 2006 - Saguenay, Québec



### Matthew Chi

#### Safe Drinking Water at High Altitudes

**Division:** Life Sciences

**Category:** Junior

**Region:** North Channel

**City:** Elliot Lake, ON

**School:** Our Lady of Lourdes French Immersion

**Abstract:** Safe drinking water at high altitudes is important. The temperature that water boils on Mount Everest was calculated to be 70°C. This was based on calculating the boiling point of water as a relationship to the barometric pressure. The barometric pressure was calculated based on the known altitude of Mount Everest. Water heated to 70°C for 6½ minutes, effectively killed all fecal bacterial organisms.

Awards	Value
Honourable Mention - Health Sciences - Junior	\$100
Sponsor: Canadian Institutes of Health Research	
Total	\$100