

## CWSF 2005 - Vancouver, British Columbia



### Vivian Leung

#### Plug in the Sun

**Division:** Physical & Mathematical Sciences

**Category:** Junior

**Region:** Bay Area

**City:** Oakville, ON

**School:** Captain R. Wilson

**Abstract:** An experiment was set up to study the impacts of inclination angle and wavelength of light on the output of a photovoltaic panel. The critical angle at which the output decreased significantly was determined. The results were also applied to improve the efficiency of photovoltaic panels fixed along rooftops.

Awards	Value
Natural Resources Canada (NRCan) Office of Energy Efficiency Award Junior	\$500
Sponsor: Natural Resources Canada (NRCan) Office of Energy Efficiency	
Total	\$500