

## CWSF 2013 - Lethbridge, Alberta



### A Mechanical Sunflower that Turns With The Sun

**Challenge:** Energy

**Category:** Junior

**Region:**

**City:** ,

**School:**

**Abstract:** The amount of energy produced by photovoltaic panels is limited, due to their immobility. However, when they track the movement of the Sun, their efficiency increases significantly. A solution exists in nature: the sunflower. The plant has the ability to continually turn with the Sun through photosynthesis. If this idea can be implemented into solar technology, the efficiency of photovoltaic panels could drastically improve.

Awards	Value
Renewable Energy Award - Junior Sponsor: Ontario Power Generation	\$500
Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 600</b>