

## CWSF 2005 - Vancouver, British Columbia



### Jenna McGuire

#### Green Inspired Green

**Division:** Earth & Environmental Sciences

**Category:** Senior

**Region:** Bluewater

**City:** Lion's Head, ON

**School:** Bruce Peninsula District School

**Abstract:** To find an equally efficient but more economically feasible alternative to traditional solar cells, I constructed a different type of cell. I tested four variables that affected the electron transfer dynamics of the nanocrystalline titanium dioxide solar cells. The differing variables include; firing times, performing temperatures, anthocyanins and optical filters.

Awards	Value
AECL Award for Excellence in Science - Senior Sponsor: Atomic Energy of Canada Ltd.	\$1 000
Total	\$1 000