

## CWSF 2006 - Saguenay, Québec



### Tim Rappon

#### Zap It: An Investigation of Photocatalysis

**Division:** International

**Category:** Junior

**Region:** Northwestern Ontario

**City:** Thunder Bay, ON

**School:** École Gron Morgan P.S.

**Abstract:** The photocatalytic degradation of selected model compounds was done using a semiconductor and light from a compact fluorescent bulb. The model compounds represent toxic pollutants found in industrial waste and chlorinated water as well as certain pharmaceutical products that are poisoning our watersheds and causing fish to mutate.

Awards	Value
AECL Award for Excellence in Science - Junior Sponsor: Atomic Energy of Canada Ltd.	\$500
Honourable Mention - Physical & Mathematical Sciences - Junior Sponsor: Encana Corporation	\$100
Total	\$600