

## CWSF 2005 - Vancouver, British Columbia



### Kate Rowe

#### Quakalator

**Division:** Engineering & Computing Sciences

**Category:** Junior

**Region:** Simcoe County

**City:** Cookstown, ON

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**Abstract:** The Quakalator is an economical earthquake alarm/detector. The metal rods, which are inserted into the earth, detect vibrations caused by earthquakes. Should there be an earthquake, the metal rods vibrate, causing the earthquake alarm to move in a pendulum motion. This motion completes an electrical circuit.