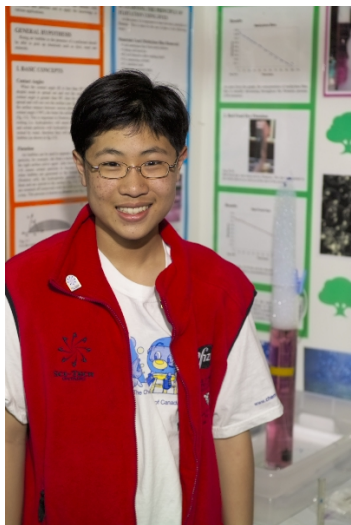


## CWSF 2005 - Vancouver, British Columbia



### Tim Rappon

#### Going for a Ride

**Division:** Physical & Mathematical Sciences

**Category:** Junior

**Region:** Northwestern Ontario

**City:** Thunder Bay, ON

**School:** Ecole Gron Morgon School

**Abstract:** Under the right conditions, hydrophobic particles or molecules may be removed from a solution by rising air bubbles. This process is known as flotation. The basic principle was demonstrated by dye flotation. The knowledge gained was applied to de-inking and mineral concentration. Flotation saves trees, energy, and protects our environment.