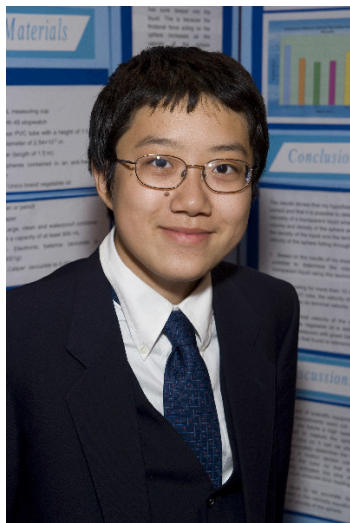


## CWSF 2008 - Ottawa, Ontario



### Henry Sun

#### **Viscosity: Developing & Testing a New Technique for Measuring a Liquid's Viscos**

**Division:** International / None

**Category:** Junior

**Region:** Bay Area

**City:** Hamilton, ON

**School:** Dalewood Senior E.S.

**Abstract:** The basic purpose of this project is to develop and test a new technique for measuring the viscosity of a transparent liquid. This technique will be different from conventional methods because it was designed to be operated at home without using scientific instruments.

#### Biography

I hope to enlighten the reader regarding my character, personality, and possibly choice of hobbies in my biography. I would like to dedicate the space provided to my project. Through this I hope that the reader would understand more about me. I first thought of the idea for this project when I was reading a physics textbook regarding fluid mechanics. What really inspired me was the fact that we were conducting an experiment at school where the objective was to determine the relative viscosity of different liquids. The problem with this technique is that only the relative viscosity between the liquids used were determined, therefore, this technique could not be used to compare the viscosity of a liquid used in the experiment to a liquid that was not used in the experiment. Based on this fact and my newly obtained knowledge regarding fluid mechanics, I decided to dedicate my project to determining a liquid's viscosity. I would like to use the remaining space to thank my parents, my science teachers, and the BASEF chaperones for their encouragement and assistance in this project.