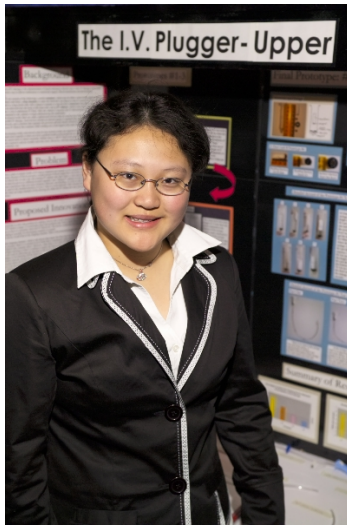


## CWSF 2005 - Vancouver, British Columbia



### Judy Gong

#### The I.V. Plugger-Upper

**Division:** Engineering & Computing Sciences

**Category:** Intermediate

**Region:** Greater Vancouver

**City:** Vancouver, BC

**School:** Sir Winston Churchill Secondary School

**Abstract:** When there's no more fluid in the bottle during I.V. therapy, blood may flow out into the tube and clot and, in rare cases, air embolisms may form. To address this problem, I have designed and constructed a device that will block the movement of air within the I.V. tube.