

## CWSF 2009 - Winnipeg, Manitoba



### Geoffrey Sem

#### **Homemade Organic Soil vs. Commercial Soil in Plant Growth: Which is better?**

**Division:** Engineering & Computing Sciences / Environmental Innovation

**Category:** Junior

**Region:** York

**City:** Richmond Hill, ON

**School:** Richmond Hill Montessori and Elementary Private School

**Abstract:** The purpose is to see if homemade organic soil is as good as commercial soil in plant growth. Leftover food items and shredded paper will be used to make homemade soil. Plant growth measurements will be made to see which soil is better. Based on my previous science experiment, used bathtub water was safe for plant growth so this would be used.

#### Biography

Geoffrey Sem attends Grade 7 at Richmond Hill Montessori & Private School in Ontario. He has won the Science Expo at his school three times (2007 Bronze Medal; 2008 Silver Medal; 2009 Gold Medal). Geoffrey placed second and third in the Math League Contests in 2006 and 2007. He is a member of the Student Council, Senior Band, Boy's Soccer Team, and is the leader for his school's Green Team. He is fluent in Mandarin and placed first in a Chinese-verse speaking competition for 2 years. He still maintains an A + average in his school's subjects, along with his ongoing competitions. In his spare time, he enjoys activities such as playing soccer and badminton with his two younger brothers. Geoffrey is currently in Grade 6 Violin and has won numerous medals in violin competitions. He enjoys travelling with his family to different countries such as China, Mexico, Italy, and looks forward to visiting France, Spain, and Poland this summer. Geoffrey dreams of becoming a medical doctor one day.

Youth Science Canada  
PO Box 297  
Pickering ON L1V 2R4  
[www.youthscience.ca](http://www.youthscience.ca) / [info@youthscience.ca](mailto:info@youthscience.ca)  
416-341-0040