

## **NEWS RELEASE**

Page 1 of 1

Date: Monday, April 24, 2006

Subject: National Science Fair

From: Bob Perreault – Communications Officer  
(613) 258-7757 or 1-800-443-4562 (ext. 206)

---

CATHOLIC DISTRICT  
SCHOOL BOARD OF  
EASTERN ONTARIO



Box 2222, 2755 Hwy. 43  
Kemptville, Ontario K0G 1J0

---

## **Local Student Prepares for National Science Fair**

Smiths Falls, On – Isaac Bacon, a grade 8 student at St. James the Greater Catholic School in Smiths Falls, is preparing to head to the Canada Wide Science Fair in Chicoutimi, Quebec with his project “To Freeze or Antifreeze.”

But the 14-year old isn’t nervous or anxious as this is the second year in a row that he has made the trip to a national level science fair.

“I didn’t know what to expect last year in Vancouver. I was just happy to be there.” Isaac said. “I think that experience will help me a lot and the big difference is this year, I want to win.”

Isaac said that his project stemmed from his love of frogs. “I’ve always liked frogs and there is this one type that freezes solid in the winter, then comes back in the spring. I wanted to see if that type of science could be applied to other organisms.”

The young science student decided that he would try to create a feed for plants that could make them impervious to the cold. He delivered a sugar-water mixture to the plants in various ratios; some with more sugar, others with more water.

Isaac then exposed the plants to temperatures of minus five to minus 13 degrees Celsius for periods of five minutes. Eventually he found the proper ratio in the feed and was successful at making the plants resist all the effects of the freezing temperatures.

St. James Principal Bev Lee said that Isaac is a shining example, “We are extremely proud of Isaac for his qualifying in the Canada Wide Science Fair for the second consecutive year. He represents the true excellence that St. James the Greater School is traditionally known for.”

And Isaac said that he knows he is inspiring younger scientists as well. “I know my younger sister Emily is looking forward to competing at the national level.” Isaac said that his 12-year-old sister is truly talented in the field and he expects her to follow in her big brother’s footsteps.

Isaac’s project earned him several accolades at the Rideau St. Lawrence Science Fair, including:

- **The George Woods award for best junior**
- **1st Place Junior Biology Projects Category**
- **Winner RLSLF Botany Award**
- **Winner RLSLF Biology Award**
- **#3rd Best Project In Fair**
- **Winner of the Invista Chemistry Award for Junior Projects**

**Isaac leaves for Chicoutimi May 12 for the competition that runs from the 13<sup>th</sup> until the 22.**

**St. James the Greater Catholic School is located at 5 Catherine Street in Smiths Falls Ontario. The school offers excellence in Catholic education through Provincial-leading programs.**

