

# CWSF 2009 - Winnipeg, Manitoba



## Jordan Adamich

### Concrete Microsphere Mix

**Division:** Health Sciences / Environmental Innovation

**Category:** Junior

**Region:** Simcoe County

**City:** Barrie, ON

**School:** St. Monica's E.S.

**Abstract:** This experiment creates and tests new concrete mix designs that are environmentally friendly, by using different types and quantities of microspheres in place of sand and gravel. This concrete is lighter in weight and benefits our environment by using less cement, reducing CO<sub>2</sub> emissions and reducing fuel consumption. These mix designs are better insulating and can reduce the cost of heating and cooling homes.

#### Biography

My name is Jordan Adamich and I am 14 years old. I'm in grade 8 at St. Monica's Catholic Elementary school in Barrie, Ontario. This is my second year attending the CWSF and it is a great honour. At the Simcoe County Regional Fair I received the a gold metal in the Engineering Category, best in the engineering category, the peer choice award, the Mubdi Rahman Design award, and the stepping stone award. Once I graduate from grade 12, I plan to attend university to study engineering. I love to play sports. My favourite sport is soccer. I actually play soccer at a competitive level and hope to become a professional one day. Other sports I enjoy include: volleyball, football and badminton. I also enjoy spending time with my friends, because we always have a good time together and we always have many of laughs.

#### Awards

#### Value

Honourable Mention - Engineering - Junior Sponsor: Youth Science Canada	\$100
<b>Total</b>	<b>\$100</b>