

# CWSF 2010 - Peterborough, Ontario



## Matthew Podolak

### Algae: Arctic's Ally

**Division:** Health Sciences

**Category:** Junior

**Region:** Simcoe County

**City:** Barrie, ON

**School:** Holly Meadows E.S.

**Abstract:** This project studied the factors to determine if algae can grow in cold temperatures; if algae can be used to filter methane; and, if a capture device can be used in the Arctic so that algae can absorb and filter methane. Using a microscope, methane and a methane detector, it was determined that algae can grow in cold temperatures and absorb methane.

### Biography

Some of the activities that I enjoy at school include chess club, the joy of reading club and patrolling. I assist in a Sunday school class at my church where I help the teacher of a class of children in jk/sk. Some of my hobbies are building characters out of clay, drawing and reading. Every summer I participate in a science camp where I explore many fascinating areas of science and technology. My favourite activity during the summer is soccer, which I have played since I was 4 years old. In the future, I would like to be an engineer, because I would like to apply my creativity and my knowledge to create, design and explore new and innovative technology.

### Awards

### Value

Honourable Mention - Earth & Environmental Science - Junior Sponsor: Suncor Energy Inc.	\$100
<b>Total</b>	<b>\$100</b>