

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
Total	\$100