

CWSF 2009 - Winnipeg, Manitoba



Katelynn Jayne Berkey, Krista Lee Porter

Pykrete: Eco-Insulator

Division: Health Sciences / Environmental Innovation

Category: Senior

Region: Prince Albert & Northeast Saskatchewan

City: Weldon, SK, Kinistino, SK

School: Kinistino School

Abstract: Our project is an environmentally friendly innovation that investigates the use of pykrete as an eco-insulator in a sustainable cattle shelter. We focused on pykrete's low thermal conductivity. We built a scale model of a pykrete cattle shelter and temperature measurements show that pykrete may be an effective eco-insulator that could potentially save cattle farmer's valuable dollars.

Biographies

Katelynn Jayne - I am a Grade 11 student at Kinistino School. My hobbies include drama, scrap booking, and reading. I am involved in our school's drama club and our National award winning Band Program. I am interested in attending the University of Regina when I graduate to become a highschool teacher. I've received the Practical & Applied Arts award for the last two years at our school's award ceremonies as well as recognition for my poetry writing in the annual Legion Remembrance Day writing contest. I am very excited about this opportunity to attend the Canada wide science fair.

Krista Lee - I am a Grade 11 student at Kinistino School. Some of my hobbies include being involved in my local 4-H club, basketball, volleyball and reading. I am also part of our school's National award winning band program as well as Provincial Volleyball and Basketball Gold medal winning teams. After highschool, I plan to pursue a career in the field of medicine or law. I have been on the school honor role for 5 years and won the Spirit of Youth Award in my Grade 9 year. I am very excited about this opportunity to attend the Canada Wide Science Fair and I look forward to meeting new contacts.