Schools on Board....
Bridging Arctic Research & Science Education

ArcticNet
Annual Science Meeting
December 12 , 2005

Lucette Barber
Schools on Board

Centre for Earth Observation Science (CEOS)
Clayton H. Riddell Faculty of Environment,Earth and Resources
University of Manitoba
Schools on Board...

...maximizing our outreach potential!

Schools on Board Network
Communication tool
Classroom Resources
Field programs

Field Program
Onboard the *CCGS Amundsen*
Future trips to coincide with ArcticNet

Arctic Climate Change Youth Forum
*ACCYF*
Every 2 years
Pilot
February 2006
2005 Field Program... on board ArcticNet
Oct. 12-29, 2005

Visit our expedition logbook:
www.arcticnet.ulaval.ca

7 Schools - 6 students 3 teachers

Kugluktuk High School, Kugluktuk, NU
1 teacher and 1 student

Chetwynd Secondary School, Chetwynd, BC
1 student

Central Middle School, Dawson Creek, BC
1 teacher

Westwood Collegiate, Winnipeg, MB
1teacher and 1 student

Windsor Park Collegiate, Winnipeg, MB
1 student

Duke of Marlborough School, Churchill, MB
1 student

Jens Haven Memorial, Nain, NF
1 student
Arctic Sciences

CASES/ArcticNet

Traditional knowledge

Northern Culture

Educational program
Community visits

Inuit Art & Legends

Politics & Sovereignty

Culture & Tradition

Socioeconomic

History

Biology/Zoology

Contaminants

Sea birds & mammals

Sea Ice

Climate Change

Meteorology

Oceanography

Marine geology
2005 Field Program... on board ArcticNet
Oct. 12-29, 2005
Schools on Board...
Arctic Climate Change Youth Forum

February 13-14, 2006 - Winnipeg, MB

Coinciding with the CASES (Canadian Arctic Shelf Exchange Study) science meeting

Co-hosted by Schools on Board & Grant Park High School

Morning Theme: “The science and knowledge of Arctic Climate Change research”

Afternoon Theme: “The role of Science in Policy and Decision-Making”

www.wsd1.org/grantpark/accyf
Schools on Board...
Arctic Climate Change Youth Forum

Keynote presentations

Breakout science sessions with climate change researchers
- English and French options
  -- Northern perspectives

Teacher sessions

Political panel

Research Stream - Call for posters

www.wsd1.org/grantpark/accyf
**Schools on Board...**
**International Polar Year 2007-2009**

*Included in the Circumpolar Flaw Lead (CFL) System Study proposal*

**International Network**
- Scientists, schools, agencies

**International Field Program**
- 2 Trips
- 12 Participants per trip
- Teacher & Student from each participating country

**International ACCYF**
- In conjunction with Field Program or science meeting.
- International perspective on Arctic Climate Change
Program goals...

Raising the ‘Benchmark of Awareness’

Showcasing Canadian Arctic research activities
e.g. CASES/ArcticNet

Inspiring next generation of scientists

Developing Lasting Partnerships
Explore Science in the Arctic!

Explorez les sciences dans l’Arctique!

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Thank You!
"Schools on Board is an excellent opportunity for students and teachers to engage in experiential learning outside of the traditional classroom. It was exciting to see the passion that scientists express about their research. These scientists are excellent role models for our students". Dave Shoesmith, Westwood Collegiate - MB

"The knowledge we have gained can be incorporated into current environmental courses and has inspired the development of an environmental course in Dawson Creek.". Shannon Delawsky - Central Middle School - BC

"This experience has been a once in a lifetime opportunity, which has enhanced each of us as teachers." Tanya Connors, Kugluktuk High School - NU
Students’ perspectives...

“This whole trip has been an amazing experience – it’s made me think of what I can do for the world and what I can do with science. It’s been a life changing experience for me.” Student, Winnipeg, MB

“This program is a window into the world of science.” Student, Chetwynd, BC

“This program was an amazing trip into science – learning about what is happening in the north, this trip reminds me of home… it was an experience of a lifetime.” Student, Kugluktuk, Nunavut