

THURSDAY

1700-1800	POSTER/DISPLAY INSTALLATION & REGISTRATION Prairie & Aurora Rooms
1800-1930	WORKING GROUPS Teacher education— Abdelkrim Hasni (Prairie Room) Effective outreach—Leo MacDonald (Aurora Room) Marginalized groups—Dawn Sutherland (Glacier Room) Language in science and mathematics— Larry Yore (Glacier Room)
1930-2100	RECEPTION with Sharing our success presentations (Pacific CRYSTAL, CRYSTAL-Alberta, CRYSTAL Manitoba)

FRIDAY

0730-0815	REGISTRATION / PICK UP HEADSETS Foyer outside of Maple Leaf Room
0815	INTRODUCTION
0830-1030	Pacific CRYSTAL Understanding the student experience of earth science in BC high schools – university: Student retrospectives (Eileen van der Flier-Keller, University of Victoria) Snitcel-A way to traditional ecological knowledge / science (John 'JB' Williams, Tsawout First Nations Coast Salish Community) Multilevel analysis and modeling of large-scale assessment data for science and mathematics literacy (Todd Milford, University of Victoria) Integration of laboratory activities, demonstrations, and projects in enriched mathematics 9-12 courses to foster science and mathematics literacy (Leslee Francis-Pelton, University of Victoria) Explicit literacy instruction embedded in middle school science classrooms (Larry Yore, University of Victoria)
1030-1100	BREAK

FRIDAY

1100-1300	CRYSTAL-Alberta Curriculum: From the research station to the classroom (Elaine Simmt and Miranda Kayoo, University of Alberta) Scientific information in high school: How do students find relevant information and how can we help them evaluate it? (Susan Barker, University of Alberta; Heather Clark, Holy Trinity High School) Incorporating primary scientific literature in high school mathematics classes: Why and how? (Gerda DeVries, University of Alberta; John Macnab, Jasper Place High School) Understanding models in science: Lessons for grade five children (Brenda Gustafson and Marie-Claire Shanahan, University of Alberta; Brian Martin and Peter Mahaffy, The King's University College) Visualizing the unseen: From kaon decay to global warming (Brian Martin, The King's University College)
1300-1400	LUNCH
1315	Sharing our success presentations (CRYSTAL-Sherbrooke, CRYSTAL-Atlantique)
1400-1600	CRYSTAL-Sherbrooke CRYSTAL-Sherbrooke research activities: Theoretical and methodological frameworks, results and perspectives (Abdelkrim Hasni, Bernard Marcos, Ghislain Samson, Hasane Squalli and Fatima Bousadra, Université de Sherbrooke; C. Moresoli, University of Waterloo; D. Rochon, Ministère de l'Éducation, du Loisir et du Sport du Québec - Direction générale de la formation des jeunes) Transfer Presentation Observation and analysis of science, technology and mathematics courses: A teacher education approach (A. Hasni, H. Squalli, G. Samson, B. Marcos, F. Bousadra, Caroline Fortin, Chantal Guillemette, Université de Sherbrooke)

FRIDAY

	CRYSTAL-Sherbrooke cont'd Alternative energy at work (Christine Moresoli, University of Waterloo) Helping secondary students to understand engineering (Dominique Lefebvre, Université de Sherbrooke)
1600-1730	BREAK & WORKING GROUPS Prairie, Aurora, Glacier & Maple Leaf Rooms
1730	Wild Rose Room (cash bar service)
1900-2100	DINNER (Wild Rose Room) Sharing our success presentations (Pacific CRYSTAL, CRYSTAL-Alberta, CRYSTAL-Manitoba)
0730-0815	REGISTRATION / PICK UP HEADSETS Foyer outside of Maple Leaf Room
0815	INTRODUCTION
0830-1030	CRYSTAL-Manitoba Understanding the dynamics of risk and protective factors in promoting success in science and mathematics – An introduction (Gordon Robinson, University of Manitoba) Setting the scene for professional development: How can technology help? (Rodelyn Stoeber, Collège universitaire de Saint-Boniface) Support for fostering teacher and student success in science and mathematics (Brian Lewthwaite, University of Manitoba) Improving the teaching and learning of science (Grade 2 - University 2) using units of historical presentation (Don Metz, University of Winnipeg) Transition programs in tertiary institutions for aboriginal students (Janet McVittie and Lee Wilson, University of Saskatchewan) Transfer presentations (Ralph Mason, University of Manitoba John Murray, Manitoba Education, Citizenship and Youth)

SATURDAY

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1030-1100 BREAK

1100-1300

CRYSTAL-Atlantique

Building students' sustainable development related skills
(Diane Pruneau, Université de Moncton)

Entering the world of the child through interviews
(Leo MacDonald, St. Francis Xavier University)

Development and researching of virtual problem-solving community in mathematics and science: Example of CASMI community
(Viktor Freiman, Université de Moncton)

Science in action: grappling with understanding science
(Karen Sullenger, University of New Brunswick)

Enhancing the culture of science and mathematics in the Maritimes
(Debby Peck and Essie Lom, University of New Brunswick)

1300-1400 LUNCH

1315

Sharing our success presentations
(CRYSTAL-Sherbrooke, CRYSTAL-Atlantique)
Maple Leaf Room

1400-1500 WORKING GROUPS

Action planning
Prairie, Aurora, Glacier & Maple Leaf Rooms

1500-1600 WORKING GROUPS

General report of plans and goals to whole group
Maple Leaf Room

1600-1645 **Information on the upcoming evaluation**

Céline Bérubé, NSERC Team Leader
Susan Morris, NSERC Chief of Evaluation

1645-1700 CLOSING REMARKS



CRYSTAL
Atlantique
CRSNG NSERC
CREAS CRYSTAL



University of Victoria

Faculty of Education



CENTRES FOR RESEARCH
IN YOUTH, SCIENCE, TEACHERS
AND LEARNING



Second National CRYSTAL Conference

September 27-29, 2007

University of Alberta

Lister Conference Centre