Day 1: Tuesday, August 8, 2006

Time and location	Description	Tomorrow's Innovators
8:00-9:00 **2nd Floor**	Registration	
8:15-8:45 **Room 2-295**	Breakfast at OISE/UT	
8:45-9:00 **Room 2-212**	**<u>Welcome</u>** *Thérèse Laferrière*	
9:00-9:50 **Room 2-212**	**<u>Keynote #1</u>** **Tools and Strategies for Democratizing Society's Innovative Capacity** – Presenters: *Marlene Scardamalia and Carl Bereiter*	
9:50-10:15 **Room 2-212**	**<u>Keynote #2</u>** **<u>Dynamics of Knowledge Building at the Summer Institute</u>** Presenters: *Don Philip, Richard Reeve & Jianwei Zhang* • Overview of Sessions: Navigating the Summer Institute • Workshops – Knowledge Forum® 4.6/SI Database • Posters & Demonstrations Session • Interactive & Design-mode Sessions • "Create your own" Sessions • Keynotes – Addresses & Panels • "Analysis, Reflection & Tour" (ART) Sessions • Hub/ART Room & Tomorrow's Innovators (TI)	**9:30 Elementary school students arrive at OISE/UT** **Morning session begins at 9:45 Room 9-105** **● Knowledge Building Talk (KB Talk) about Knowledge Building process**
10:15-10:30 **Room 2-295**	Break	**● Sharing of summer observations about bridges**
10:30-12:00 **Various locations**	**<u>Session I</u>** **Session Ia: Tomorrow's Innovators & "Analysis, Reflection & Tour" (ART Session I) – Hub/ART Room, Knowledge Innovation Lab, 3rd Floor** **Session Ib: Workshop - Introduction to Knowledge Forum 4.6 & the Summer Institute database "Innovators 2006" – Labs 1, 2 & 3, 3rd Floor** **Create your own session – sign-up in Room 2-212**	**• Writing of first note and theory about bridges**
12:00-1:00 **Room 2-295**	**Lunch at OISE/UT**	**Lunch 12:00 to 1:00**
1:00-1:40 **Room 2-212**	**<u>Keynote Panel #1</u>** **Principals' Perspectives on the Tomorrow's Innovators Design Experiment** – Panelists: *Jim Kormos & Alyson McLelland.*	**1:00 to 2:30 Afternoon session** **Computer Lab Session Lab 3, 3rd Floor**
1:40-1:45	**Move to next session**	
1:45-3:15 **Various Locations**	**<u>Session II</u>** **Session IIa: "Analysis, Reflection & Tour" (ART Session II)** Primary science: Systems (Grade 5 & 6). *Richard Messina, Huang-Yao Hong & Chewlee Teo;* Secondary geography: World problems (Grade 9). *Eddy Y. C. Lee, Jianwei Zhang, Yanqing Sun & Chewlee Teo*. **– Hub/ART Room, Knowledge Innovation Lab, 3rd Floor**	

	Session IIb: Workshop - Introduction to Knowledge Forum 4.6 & the Summer Institute database "Innovators 2006" – Labs 1 & 2, 3rd Floor **Session IIc: Interactive Session** **(#65)** Deeper understanding of multilingual communication problems for better knowledge building support. Leaders: *Thérèse Laferrière, Mercè Bernaus, Stefano Cacciamani & Chris Teplovs.* **– Room 2-211** **Session IId: Paper Session –Knowledge Building in Science, History and Social Science** **(#52)** Understanding knowledge-building in history: A requirements-gathering analysis using in-class and online exchanges. *Kevin O'Neill & Mark Weiler*; **(#73)** How systematic introduction of knowledge building principles affects children's understanding of knowledge building and of scientific concepts. *Zoe Donoahue & Richard Reeve*; **(#20)** From Problem-based Learning to Knowledge Building in Science Classrooms – Authenticity, Learning, and Agency for Learning, *Ai-Choo Jennifer Yeo, Seng-Chee Tan & Kok Sing Tang*; **(#40)** City Plan, Home and Users – Children as Architects. *Pirita Seitamaa-Hakkarainen, Kangas Kaiju, Iivonen Marjut & Kai Hakkarainen.* **- Room 2-212** **Create your own session – sign-up in Room 2-212**	**3:00 Students leave for home**
3:15-3:30 Room 2-295	Break	
3:30-4:00 Room 2-212	**Tomorrow's Innovators & "Analysis, Reflection & Tour" (ART) Panel Session I: Reflections**	
4:00-6:00	**Welcome Reception** Duke of York, 39 Prince Arthur Avenue	

Day 2: Wednesday, August 9, 2006

Time and location	Description	
8:00-9:00 **2nd Floor**	Registration	
8:15-8:45 **Room 2-295**	Breakfast at OISE/UT	
8:45-8:55 **Room 2-212**	**Agenda updates**	
9:00-10:30 **Various Locations**	**Session III** **Session IIIa: Tomorrow's Innovators & "Analysis, Reflection & Tour" (ART Session III) – Hub/ART Room, Knowledge Innovation Lab, 3rd Floor** **Session IIIb: Paper Session – Language and Literacy Issues related to Knowledge Building** **(#30)** Gender Differences in Vocabulary Use in Knowledge Building Discourse. *Yanqing Sun, Jianwei Zhang & Marlene Scardamalia*; **(#57)** Making Thinking Visible: Towards the Graphical Literacy Growth in Knowledge Forum. *Yongcheng Gan*; **(#69)** Networked Foreign Language Acquisition: A Way to Increase Intercultural Communicative Competence by Knowledge Building Pedagogy and Technology. *Yingping Chen & Mingyu Ji.* **– Room 2-212** **Session IIIc: Interactive Session Part 1 of 2 – Assessing Cognitive Development** **(#35)** Unpacking our intuitions of development: A hands-on introduction to assessing cognitive development. Leaders: *Zachary Stein, Theo Dawson & Kurt Fischer;* + **Paper (#34)** Modeling learning and representing development: On a methodology for mapping meaning making, *Theo Dawson, Zachary Stein & Kurt Fischer.* **(NOTE: This session will continue at 10:45) – Room 2-214** **Session IIId: Paper Session – Embedding Assessment to Move Knowledge Building Forward** **(#24)** Self-Assessment for Knowledge Building in Health Care. *Leila Lax, Anita Singh, Marlene Scardamalia, & Larry Librach;* **(#64)** Fostering Collaborative Knowledge Building Using Concurrent, Embedded and Transformative Assessment. *Eddy Lee & Carol Chan;* **(#80)** Using Pre-Compiled Keyword Lists for Keyword Extraction in Knowledge Forum. *Kateryna Zolotkova & Chris Teplovs.* **- Room 2-289** **Create your own session – sign-up in Room 2-212**	**9:30 Students arrive at OISE/UT** **9:45 to 12:00 Morning session**
10:30-10:45 **Room 2-295**	Break	
10:45-12:15 **Various Locations**	**Session IV** **Session IVa: Tomorrow's Innovators & "Analysis, Reflection & Tour" (ART Session IV) – Hub/ART Room, Knowledge Innovation Lab, 3rd Floor**	

	Session IVb: Paper Session – Participation Patterns in Knowledge Building Communities	
	(#17) Patterns of Note Contribution in Online Medical Education Environments. *Don Philip & Zahra Punja*; **(#45)** Strong Ties, Weak Ties: Exploring Patterns of Collaboration and Knowledge-Interaction for Knowledge Advancement in the Knowledge Society Network. *Huang-Yao Hong, Marlene Scardamalia & Jianwei Zhang*; **(#55)** Participation in Knowledge Building: An analysis of Online Discussions. *Hui Niu & Jan van Aalst;* **(#70)** Students activity in on-line University course: toward a Knowledge Building Community. *Stefano Cacciamani*. - **Room 2-212**	
	Session IVc: Interactive Session Part 2 of 2 – Assessing Cognitive Development	
	(#35) Unpacking our intuitions of development: A hands-on introduction to assessing cognitive development. Leaders: *Theo Dawson, Kurt Fischer, & Zachary Stein* **(NOTE: This session is a continuation of the 1st part of the session at 9:00) - Room 2-214**	
	Session IVd: Interactive "Design-mode" Session	
	(#49) Decolonizing cyberspace: Collaborative knowledge-building support for an MEd program for Inuit educational leaders in Nunavut. Leader: *Sandy McAuley;* **(#54)** How to improve supportive learning in teacher competence based education by a knowledge building community? Leaders: *Bert Reijnen & Frank de Jong.* **– Room 2-281**	
	Create your own session – sign-up in Room 2-212	
12:15-1:45 Room 2-211	**Posters & Demonstrations Session (with lunch)**	
	Posters	
	(#21) Scientific argument in written discourse with task requirements triggering different epistemic agency. *Jun Oshima, Ritsuko Oshima, Isao Murayama, Shigenori Inagaki & Tomokazu Yamamoto.*	
	(#25) Collaborative Knowledge Building and the Intentional Improvement of Ideas in a Medical Legal Visualization Course. *Leila Lax, Marlene Scardamalia, Ian Taylor & Meaghan Brierley.*	
	(#29) Knowledge Building in Elementary Mathematics. *Ambika Dayal*	
	(#37) How can online communication help facilitate collaboration? *Kerry Armstrong.*	
	(#38) Building capacity in the use of KF by identifying different types of discourses. *Christine Hamel, Marie-Hélène Croteau-Bouffard, Stéphane Allaire & Thérèse Laferrière.*	
	(#39) L'appropriation du principe de coélaboration de connaissances «Idées réelles, problèmes authentiques» par des enseignants et des élèves d'écoles en réseau. *Stéphane Allaire, Marie-Hélène C.-Bouffard, Christine Hamel et Thérèse Laferrière.*	
	(#41) Systematic formation of reading comprehension in visually impaired children. *Kari Kosonen & Kai Hakkarainen.*	
	(#43) A Technological Tool for Scaffolding Social Metacognitive Reflection. *Huang-Yao Hong, Richard Messina, Chewlee Teo & Jianwei Zhang.*	
	(#46) A Longitudinal Analysis of Inquiry Threads in the Knowledge Society Network. *Chew Lee Teo, Jianwei Zhang, Huangyao Hong, Yongcheng Gan & Marlene Scardamalia.*	

	(#48) Une réflexion d'élèves coélaborée – L'apprentissage individuel et collectif de l'algèbre dans une classe Protic 2e secondaire. *Mélanie Tremblay et Christine Hamel.*	
	(#50) Fosbury-in-the-making: Knowledge Building in Physical Education. *Richard Messina, Benjamin Peebles & Chew Lee Teo.*	
	(#59) Identification of Potential Constraints Associated with Accessing and Participating in Knowledge Forum® Using Handheld Computers: A Pre-service Education Context. *Kim MacKinnon.*	
	(#66) Content Analysis Tools for Knowledge Forum Discourse: Towards Intelligent Support for Knowledge Building Facilitation. *Nancy Law, Rong-Huai Huang, Huanglingzi Liu, Johnny Yuen & Yan-Yan Li.*	
	(#72) Exploring the Application of Information Skills (Big6) in Project-Based Learning of Form 3 Students. *Helen Wong, Pui Man Cheung, Tajan Wong & Bik Man Kwok.*	
	(#74) A study of Collaborative Information-Seeking Behaviour of Hong Kong Form Six Students. *Wai Hing Fung, Siu May Li & Pui Yan Wong.*	
	(#79) Online Assessment Tools to Evaluate and Drive Knowledge Building: Technical challenges, solutions and progress. *Eero Uusitalo, Ann Russell & Kirsti Lonka.*	
	(#81) Knowledge Forum and the Dynamic Education Plan. *Judith Kimel, Alexandra Ejlerskov & Richard Reeve*	
	(#83) Suggested Methods of Automatic Literacy Assessment in Knowledge Forum. *Kateryna Zolotkova.*	
	(#84) What does it mean to be a knowledge builder?: Understanding how students come to understand new modes of inquiry, *Kate Bielaczyc & Peter Blake*	
	(#85) A five-year longitudinal study examining conditions that advance self-directed professional development among novice elementary mathematics teachers. *Suzanne de Froy.*	
	Demonstrations	
	(#82) Mobile Knowledge Forum. *Max Karlin & Chris Teplovs.*	
	(#16) Vodcasts: New Media for Professional Development. *James McGuire & Chris Teplovs*	
12:15-1:15 Room 2-295	**Lunch with the Tomorrow's Innovators Participants at OISE/UT (concurrent with Poster & Demonstration Session – 12:15-1:45)**	**12:15 to 1:15 Lunch with SI participants**
2:00-3:15 2-212	**Keynote Panel #2** **Decision Makers Forum: Extending the Limits of the Possible in Education** Panelists: *Ron Canuel, Robert Kennedy, Thérèse Laferrière, Marlene Scardamalia & Zandra Zubac*	**1:15 to 2:30 Afternoon Session Computer Lab 3, 3rd Floor** **3:00 Students leave OISE/UT**
3:15-3:30 Room 2-295	Break	
3:30-4:00 Room 2-212	**Tomorrow's Innovators & "Analysis, Reflection & Tour" (ART) Panel Session II: Reflections**	

Day 3: Thursday August 10th 2006

Time and location	Description	Tomorrow's Innovators
8:00-8:45 **Room 2-295**	Breakfast at OISE/UT	
8:45-8:55 **Room 2-212**	**Agenda updates**	
9:00-10:30 **Various** **Locations**	**<u>Session V</u>** **Session Va: Tomorrow's Innovators (TI) & "Analysis, Reflection & Tour" (ART Session V) – Hub/ART Room, Knowledge Innovation Lab, 3rd Floor** **Session Vb: Paper Session – Professional Development to Support Innovative Practice** **(#62)** Design Study Groups: Professional Development to Support Innovative Implementation. *Richard Reeve;* **(#44)** Demystifying Knowledge-Building Practices in Teaching, Huang-Yao Hong. *Jianwei Zhang, Chewlee Teo & Marlene Scardamalia*; **(#47)** Creating a Professional Development Model for Knowledge Building Practices. *Chew Lee Teo & Krista Raun;* **(#22)** Expertise as a knowledge object: Utilizing video expert teacher think-alouds to promote deep understanding among teacher candidates within a knowledge-building environment, *Latika Nirula, Joan Peskin & Earl Woodruff.* **– Room 2-211** **Session Vc: Interactive "Design-mode" Session - Activity Theory for Assessing Progress** **(#58)** Activity Theory for Assessing Progress in the Integration of Knowledge building Discourse into University Teaching. Leaders: *Clare Brett, Thérèse Laferrière, Stefano Cacciamani, Nobuko Fujita & Mercè Bernaus.* **– Room 2-212** **Session Vd: Paper Session - Software, Technology & New Environments** **(#67)** Functional Affordances for Research and Developments in Knowledge Building. *Johnny Yuen & Nancy Law*; **(#32)** Cognitive conflict resolution as a design strategy for one-to-one classroom activities. *Sung-Bin Chang, Ia-Ming Ching & Yu-Fen Chen*; **(#33)** Digital Classroom Environments: Profile Enhanced Classroom Learning. *Hercy N.H. Cheng, Yi-Chan Deng, Tak-Wai Chan*; **(#56)** A survey on Intelligent Agents for Learning Objects. *Dorian Stoilescu.* **– Room 2-214** **Create your own session – sign-up in Room 2-212**	**9:30 Students arrive at OISE/UT** **9:45 to 12:00 Morning Session**
10:30-10:45	**Break**	
10:45-12:15 **Various** **Locations**	**<u>Session VI</u>** **Session VIa: Tomorrow's Innovators & "Analysis, Reflection & Tour" (ART Session VI) – HUB/ART Room, Knowledge Innovation Lab, 3rd Floor**	

	Session VIb: Interactive Session - Knowledge Building and Algebra **(#42) -** The Mega Rule for All Patterns in One Super Mega Note - Grades 4, 5 and 6 students develop algebraic understanding through collaborative discourse. Leaders: *Ruth Beatty, Joan Moss, Lisa Sweetman, Sonia Satov & Susan Martin.* – **Room 2-211** **Session VIc: Paper Session – Innovations in Researching Knowledge Forum Databases** **(#27)** Developing methods of studying knowledge practices**.** *Kai Hakkarainen;* **(#31)** Sustained Improvement of Knowledge Building Practice at an Elementary School**.** *Jianwei Zhang & Marlene Scardamalia*; **(#26)** The role of problematizing move in knowledge building. *Ming Lai*. **– Room 2-212** **Session VId: Interactive "Design-mode" Session – Engineering Challenges to Advancing Knowledge Building (Part 1) – Interoperability** Leaders: *Chris Teplovs & Eric Cooper.* – **Room 2-214** **Session VIe: Paper Session – New Ways of Framing Knowledge Building Theory and Practice** **(#19)** Situating the Knowledge Building Principles in the Context of Alternative Views. *Don Philip*; **(#51)** Knowledge Building and Metacognition: Dialogue between Two Frameworks. *Oscar Hernández Lopez, Javier Sánchez Diaz de Rivera & Angela Durana Espinosa*; **(#18)** Complexity Theory and Education. *Don Philip*. **– Room 2-289** **Create your own session – sign-up in Room 2-212**	
12:15-1:45	**Lunch on your own (see list of local restaurants in Room 2-212)**	**12:00 to 1:00 Lunch**
1:45-3:15 Various Locations	<u>**Session VII**</u> **Session VIIa: "Analysis, Reflection & Tour" (ART Session VII)** Primary technology and design: Architecture (Grade 6). *Marianne Bollström-Huttunen, Pirita Seitamaa-Hakkarainen & Don Philip*; Primary science: Seasons, climate, and natural disasters (Grade 3). *Zoe Donoahue & Richard Reeve;* Primary general studies: Global issues (Grade 6). *Patrick Lam, Yongcheng Gan, Siqin Tuya & Huang-Yao Hong*. **– HUB/ART Room, Knowledge Innovation Lab, 3rd Floor** **Session VIIb: Paper Session – Understanding Learner Issues in Knowledge Building Communities** **(#23)** The role of motivational beliefs in personal conceptual change in collaborative knowledge building: A perspective of social cognitive theory. *Li Sha & Jan van Aalst*; **(#71)** Motivation Types in Knowledge Building Project Settings. *Angela Chow & Nancy Law;* **(#78)** Why the Spiral Moved? – Seeking for Knowledge Building, *Aik Ling Tan, Seng Chee Tan, & John Ow.* **– Room 2-211**	**1:00 to 2:30 Afternoon Session Computer Lab 3, 3rd Floor**

	Session VIIc: Paper Session: Collaboration in On-line Higher Education & Pre-service Environments (#60) Pre-service teachers' online discourse in a hybrid environment: Student teaching, collaborative reflective practice and knowledge building. *Thérèse Laferrière & Stéphane Allaire*; **(#36)** When Collaboration Falls Short of Knowledge Building. *Olivia Robertson & James Hewitt*; **(#53)** Interpersonal Dynamics in Online Courses: Challenges to Knowledge Building. *Vanessa Peters*; **(#63)** Potential For Knowledge Building In Large Size Undergraduate Pharmacy Classrooms. *Debra Sibbald*. **– Room 2-212**	**3:00 Students leave for home**
	Session VIId: Interactive "Design-mode" Session – Engineering Challenges to Advancing Knowledge Building (Part 2) – Scalability and Sustainability – Leaders: *Cesar Nunes & Patti Shank.* **– Room 2-289** **Create your own session – sign-up in Room 2-212**	
3:15-3:30	**Break**	
3:30-4:00 **Room 2-212**	**Tomorrow's Innovators & "Analysis, Reflection & Tour" (ART) Panel Session III: Reflections**	

Day 4: Friday, August 11th, 2006

Time and location	Description	Tomorrow's Innovators
8:15-9:00 Library (1st Floor)	Breakfast at OISE/UT	
9:00-10:25 Various Locations	**Session VIII** **Session VIIIa: Tomorrow's Innovators (TI) & "Analysis, Reflection & Tour" (ART Session VIII) – Hub/ART Room, Knowledge Innovation Lab, 3rd Floor** **Session VIIIb: Interactive Session – Initiating, Scaling up and Sustaining the Knowledge Building Approach (Part 1)** **(#75)** Audio-visual Documentary about COMconeixer Project (Catalonia). Leaders: Mireia Montane & Nicole Denayrolles. **- Library (1st Floor)** **Write reflections in the Summer Institute database – Labs 1 & 2, 3rd Floor** **Create your own session – sign-up in Library (1st Floor)**	**9:30 Students arrive at OISE/UT** **10:00 to 12:00 Morning Session**
10:25-10:45	Break	
10:45-12:10 Various Locations	**Session IX** **Session IXa: Tomorrow's Innovators (TI) & "Analysis, Reflection & Tour" (ART Session IX) – HUB/ART Room, Knowledge Innovation Lab, 3rd Floor** **Session IXb: Interactive Session – Initiating, Scaling up and Sustaining the Knowledge Building Approach (Part 2)** **(#68)** The quest for scaling up and sustaining the knowledge building approach in Hong Kong schools. Leaders: *Nancy Law, Carol Chan, Allan Yuen, Johnny Yuen, Nicol Pan, Rosa Ma, Hidy Tse & Vicky Yeung*; **(#86)** Knowledge Building in Singapore. *Seng Chee Tan & Kate Bielaczyc*. **- Library (1st Floor)** **Write reflections in the Summer Institute database – Labs 1 & 2, 3rd Floor** **Create your own session – sign-up in Library (1st Floor)**	
12:10-1:30	**Lunch on your own**	**12:00 to 1:00 Lunch**
1:30-2:45 Library (1st Floor)	**Keynote Panel #3** **Tomorrow's Innovators Keynote Panel – Students, Teachers, Researchers and Principals – Library (1st Floor)**	**1:00 to 2:45 Keynote Panel**
2:45-3:00 Library	Break	**2:45 to 3:00 Reception**
3:00-3:40 Library (1st Floor)	**Keynote #3** **Knowledge Building History and Where is Knowledge Building Heading?** - *Carl Bereiter and Marlene Scardamalia*	**3:00 Students leave for home**
3:40-4:00	**Closing Remarks & Slideshow**	
7:00-11:00	**Party at Carl and Marlene's house** 512 Markham St. (see attached map)	