



## PAST RESEARCH STUDIES

- Cleovoulou, Y., Messina, C., Bogert, C. *Critical literacy meets inquiry pedagogy: teachers' practices in elementary classrooms.* (2013)  
  
Ganea, P. & Gallant, H. *Structural alignment effects on conceptual learning and generalization from picture books* (Nursery - JK).
- Ganea, P. & Larsen, N. *Toddler's and Preschooler's Understanding of False Belief* (Nursery).
- Ganea, P. & Larsen, N. *Young Children's Learning Via Picture Books: Social Studies* (2014-15, JK-SK).
- Ganea, P. & Simons, K. *Learning about Balance from Stories* (SK).
- Ganea, P. & Strouse, G. *Features Supporting Children's Learning of Science from Electronic Books* (JK, 2014).
- Ishioka, Y. *A Cross-Cultural Comparison of Japanese and Canadian Children's Performance on a Figure Copying Task* (2014, SK – Grade 1).
- Jang, E. *Elementary school students' cognitive problem-solving strategies in assessment.* (February-April 2008, Junior Grades)
- Kimel, J. & Scardamalia, M. *Best practices in promoting student engagement through the use of speech-to-text.* (2006-2008 - Special Ed.)
- Kimel, J. & Scardamalia, M. *Knowledge Forum and the dynamic management of Individual Education Plans (IEPs).* (2004-2008)
- Lee, K. & Gordon, H. *Cognitive and social aspects of children's secret-keeping behaviour.* (2010 – all grades)
- Loke, I. *Children's understanding of intention when reasoning about moral behaviour* (2008, Grade One)
- Martinussen, R., Baevolt, A. & Batho, L. *An examination of the cognitive and behavioural correlates of writing difficulties in children.* (November 2007- January 2008, Junior Grades)
- Moss, J. *Institute of Child Study Laboratory School lesson study: A collaborative approach to teaching patterning, early algebra & subtraction.* (2005-2008- Lab School Staff)
- Nguyen, T. *The ability to reason with identity statements and its relations to the understanding of false beliefs.* (Fall 2008, Nursery/Junior Kindergarten)
- Olver, A., Moss, J. *Investigating early spatial and numerical skills in Junior Kindergarten children learning in an inquiry- and play- based environment.* (2012-13, JK)
- Pelletier, J., Morley, E., & Messina, R. *"We all belong": The effects of photography books to enhance literacy development and social inclusion in early years classrooms* (2009 – 2011, JK, SK, Grade 1)
- Peskin, J. & Comay, J. *Thinking about the readers' mind to examine the development of reader awareness as children learn to produce written text.* (Spring 2009 – Nurs – Grade 2)
- Peskin, J. & Comay, J. *Young writers thinking about their readers' mind.* (2009-2010, Grade 2)
- Prusky, C. *Children's conflict scripts, perspective taking, and tolerance to investigate* (2010 – Junior and Senior Kindergarten)

- Ross, I., Lee, K., McCarthy, A., Evans, A., Smith, N. *Promoting Truth Telling* (2009-2010, Nursery)
- Scardamalia, M. & Chow, A. *Motivation for Knowledge Building*. (Spring 2009 – SK/Grade 3 – 6)
- Scardamalia, M. & Zhang, J. *Documenting the Knowledge Building process* (2004-08)
- Scardamalia, M. Laferriere, T. Chuy, M. *Ways of Contributing to dialogue in elementary school science and history*. (2009-12, All Grades)
- Scardamalia, M., Bereiter, C. & Laferriere, T. *Understanding the nature of science and scientific progress: a theory building approach*. (December 2007 - 2010, Junior Grades & Teachers)
- Scardamalia, M., Chow, A. *Motivation for Knowledge Building*. (2009 – SK, Grade 4)
- Scardamalia, M., Chuy, M., Green, J, Kimel, J. *The Use of a dynamic individual education plan in four distinct classroom settings* (2009 – 2010 – JK, SK, Grades 4 – 6)
- Scardamalia, M., Morley, E., Teo, C. & Mcguire, J. *Documenting a knowledge building community*. (November 2008 – November 2009, Grade One)
- Shymko, B. *The development of human understanding and its relation to false-belief performance*. (2010 Junior Kindergarten, Grade 1)
- Slotta, J., Fong, C., Madeira, C., & Messina, R. SSHRC: *New ways of teaching and learning in technology enhanced classrooms* (2011, Grade 5-6)
- Slotta, J., Moher, T., Madeira, C., Fong, C., & Messina, R. NSF: *Knowledge community and inquiry with embedded phenomena*. (2011, Grade 5-6)
- Zhang, J., Chen, M., Morley, E., & Pelletier, J. *NSF cyber-learning program: Fostering collective progress in online discourse for sustained knowledge building* (2012-14, Grades 3, 5/6)
- Zhang, J., Messina, R., Peebles, B., Stevens, R., & Ferrer-Mico, M. *Collective responsibility for deepening inquiry: a focus on progressive questioning in a communal space*. (September 2008 – December 2008, Grades 5/6)

## **COMPLETED RESEARCH & DISSEMINATION**

- Aitken, M., & Martinussen, R. (2008, February). *The relationship between working memory and reading and orthographic skills*. Poster session presented at the annual Ontario Institute for Studies in Education Dean's Graduate Student Research Conference, Toronto, ON.
- Aitken, M., & Martinussen, R. (2011, February). *Individual differences and children's performance on curriculum-based measures of written expression*. Poster presented at the second Writing Research Across Borders conference, Fairfax, VA.
- Aitken, M., Baerveldt, A., & Martinussen, R. (2008, June). *Exploring the relationship between working memory, composition fluency, and the mechanics of writing: A pilot study*. Poster session presented at the annual meeting of the International Academy for Research in Learning Disabilities, Toronto, ON.
- Aitken, M., Baerveldt, A., & Martinussen, R. (2010, January). *Note-taking and report writing skills in elementary school children with and without attention-deficit hyperactivity disorder and/or learning disorder*. Poster session presented at the annual meeting of the International Academy for Research in Learning Disabilities, Miami, FL.
- Arruda, C., Brunet, M. Popliger, M., Ross, I, McCarthy, A., Talwar, V, & Lee, K. (2007, March). *"I cannot tell a lie": Enhancing truth-telling in children through the use of traditional stories*. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.

- Baerveldt, A., Aitken, M., & Martinussen, R. (2008, June). *Cognitive and academic correlates of report-writing in elementary-age children*. Poster session presented at the annual meeting of the International Academy for Research in Learning Disabilities, Toronto, ON.
- Beatty, R. *Young students' emergent understanding of linear functions*. Paper presented at the annual meeting of the American Educational Research Association, April 2007.
- Beatty, R. & Moss, J. (2006). Multiple vs. numeric approaches to developing functional understanding through patterns – affordances and limitations for grade 4 students. In Alatorre, S. Cortina, J.L., Saiz, M., and Mendez, A. (Eds) (2006). *Proceedings of the 28<sup>th</sup> annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Merida, Mexico.
- Beatty, R. & Moss, J. (December 2006). Connecting grade four students from diverse urban classrooms: virtual collaboration to solve generalizing problems. In C. Hoyles & J. Lagrange (Eds.) *Proceedings of the Seventeenth ICMI Study: Technology Revisited*. Hanoi, Vietnam.
- Casenhiser, D. & Hassananein, S. *Application of social relevance in word learning*. (March 2007 – JK)
- Cober, R. & Slotta, J.D. (2012). Using aggregated representations of student-contributed content in an inquiry-based science curriculum: A case study. *Paper presentation at the annual meeting of the Canadian Society for Studies in Education*. May 27th-30th, Waterloo, ON.
- Cober, R., McCann, C., Slotta, J.D. & Moher, T. (2012). Materials that scaffold collective inquiry: The role of aggregate representations. *Proceedings of the Tenth International Conference of the Learning Sciences - Volume 2: 64-71*. International Society of the Learning Sciences (ISLS).
- Comay, J (2005) *Further development in social reasoning revealed in narrative discourse*. Paper presented at the Annual Meeting of the Jean Piaget Society, Vancouver, BC.
- Comay, J (2008, November). *Individual differences in narrative perspective-taking and theory of mind: a developmental study*. PhD Dissertation defended at OISE/UT.
- Comay, J. (2007, June) *Narrative: children's storytelling*. Workshop at Summer Institute on Early Childhood Development, by George Brown School of Early Childhood and OISE/UT.
- Comay, J. (2007, March) *Theory of mind and the development of text awareness in children*. Poster presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.
- Comay, J., Bakos, R., & Astington, J.W. (2002, April) *Language and theory-of-mind development: children's narrative production*. Poster presented at the International Conference – Why Language Matters for Theory of Mind, University of Toronto.
- Dack, L.A. (2008, April) *Deontic and epistemic reasoning in children*. PhD Dissertation defended at OISE/UT.
- Dack, L.A. & Astington, J.W. (2005, June). *Beyond theory of mind: Reasoning based on social rules*. Poster presented at the Annual Meeting for the Jean Piaget Society, Vancouver, BC. (04/05 ICS Grade 2 data)
- Dack, L.A. & Astington, J.W. (2007, Oct.). *Children's deontic reasoning: Effects of context and language*. Poster presented at the Fifth Biennial Meeting of the Cognitive Development Society, Sante Fe, NM. (05/06 & 06/07 ICS data)
- Dack, L.A., & Astington, J. *Young children's deontic and epistemic reasoning*. (2004/05 – Gr. 2)
- Dack, L.A., Astington, J.W., & Watson, S. (2007, March). *The effects of authority figures on preschool children's reasoning about rules and statements*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Boston, MA. (05/06 & 06/07 ICS data)
- Dack, L.A., Astington, J.W., & Watson, S. (2009, April). *Deontic and epistemic reasoning in children*. Poster

to be presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO. (04/05, 05/06 & 06/07 ICS data)

- Fong, C., Cober, R. Madeira, C., & Slotta, J. D. (2012). Common Knowledge: Scaffolding Collective Inquiry for Knowledge Communities. *Paper Presentation at the annual meeting of the American Educational Research Association*, April 12th-14th, Vancouver, Canada.
- Fong, C., Pascual-Leone, R. & Slotta, J.D. (2012). The Role of Discussion in Orchestrating Inquiry. *Proceedings of the Tenth International Conference of the Learning Sciences - Volume 2: 64-71*. International Society of the Learning Sciences (ISLS).
- Gian, Y. C., Scardamalia, M., Hong, H.-J. & Zhang, J. *Making thinking visible: growth in graphical literacy, grades 3 and 4*. *Proceedings of the International Conference on Computer Supported Collaborative Learning 2007 (CSCL 2007)*, the State University of New Jersey, Rutgers, 16 July - 21, July, 2007.
- Halewood, C., Astington, J. & Baird, J. *Preschool children's public and private personas: A focus on the behavioural adjustments made by three-year-olds upon entering nursery school*. (2002/03 – Nursery)
- Kimel, J. (2007, March) *The use of Speech-to-Text software to increase engagement in knowledge building communities*. Poster presented at the National Association for Lab Schools Conference, Los Angeles, Ca.
- Lee, K., McCarthy, A., Evans, A., & Smith, N. *Children's moral development and judgments of lying and truth-telling*. (2005/06-Gr.2, Gr.4, Gr.6, 2006/07 Gr.2, Gr.4, Gr.6)
- Loke, I.C. & Astington, J.W. (2009, April). *Children's understanding of intentional causation in moral reasoning about harmful behaviour*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Madeira, C.A., Gnoli, A. & Messina, R. Moher, T. & Slotta, J.D. (2012). Fostering an 'Adaptive Nature' for Teacher Practice: Technology Supports in a Co-Design Community. *Paper Presentation at the annual meeting of the American Educational Research Association*, April 12th-14th, Vancouver, Canada.
- Maderia, C., Fong, C., & Messina, R. (2012). Teacher Orchestration of Complex Inquiry Patterns. *Proceedings of the Tenth International Conference of the Learning Sciences - Volume 2: 64-71*. International Society of the Learning Sciences (ISLS).
- Messina, R., & Peebles, B. (2007, April) "*Fosbury-In-The-Making*": *integrating physical education, science and mathematics*. Paper presented at the Canadian Independent Schools Best Practices Conference. Mississauga, Ontario. \*Award received from The School at Columbia Teach Tech Grand Prize Award, Columbia University, New York City.
- Messina, R., Peebles, B. & Stephenson, C. (2006, October) *Becoming a member of a constructivist "Knowledge Building" environment – the shifting role of the teacher*. Paper presented at the Association for Constructivist Teaching Conference. Naperville, Ill.
- Moss, J. and Beatty, R. (2006) Computer-supported collaborative learning of patterns and generalizing problems in fourth grade, *International Journal of Computer Supported Collaborative Learning 1 (4)*, 441-465.
- Moss, J., Beatty, R, Shillolo, S. & Barkin, S. What is your theory? What is your rule? Fourth graders build their understanding of patterns and functions on a collaborative database. In C. Greenes (Ed.), *The National Council of Teachers of Mathematics 70<sup>th</sup> Yearbook (2008): Algebra and Algebraic Thinking in School Mathematics*.
- Moss, J., Bloom, D., Halewood, C., Goorevich, K., Lott, H., Messina, R., Stephenson, C. (2007, January) *Beyond professional development: Japanese lesson study as "profession development" – the integration of individual, community and inter-community growth*. Paper presented at the Ontario Teachers' Federation /OADE Conference, Toronto, Ontario.

- Nakanishi, M., Sakuramoto, A. & Namba, H. *Study of teacher education: creating teachers who can develop a caring classroom.* (Oct.-Dec. 2006, interns and teachers of grade 2 and grade 5/6)
- Peskin, J. & Comay, J. *Young writers thinking about their readers' minds.* (Pilot Stage – Feb-June 2007, JK, SK, Gr.2, Gr.3)
- Philip, D., & Hewitt, J. *Networks and the spread of ideas in knowledge building environments.* (2004/2005 - Gr. 5/6)
- Pimm, D., Beatty, R. & Moss, J. (February 2007). A question of audience, a matter of address. To be included in the proceedings of the Fifth conference of the European Society of Research in Mathematics Education, Cyprus.
- Ross, I., Lee, K., McCarthy, A, Evans, A. & Smith, N. *Promoting truth-telling in children.* (2006/07 – Nursery – Gr.1)
- Scardamalia, M. *Beyond best practice: Research-based innovation in learning and knowledge work.* (2002 to present – All Grades) Social Sciences and Humanities Research Council of Canada. Initiative on the New Economy (INE) Collaborative Research Initiative program (2002 – 2007)
- Scardamalia, M. *Educational innovation through technology-enhanced design research.* (2006/2007 – Junior Grades)
- Sidnell, J. & Stivers, T. *Development of conversational repair in children aged 3-8.* (2005/06 – JK-Gr.3)
- Sinclair, N & Moss, J. The more it changes, the more it becomes the same. *International Journal of Educational Research.* To appear 2012.
- Sinclair, N., Moss, J. and Jones, K. (2010). Developing geometric discourse using DGS in K-3. *Proceedings of the 34th Conference of the International Group for the Psychology of Mathematics Education*, Vol. 1, Belo Horizonte, Brazil: PME.
- Sinclair, N., Moss, J., and Jones, K. (2010). Developing Geometric Discourses Using Dynamic Geometry Software in K-3. *2010 AERA Conference Proceedings.*
- Slotta, J.D., & Moher, T. (2012). Mashing Up Simulations and Knowledge Construction Technologies to Support Complex Instructional Designs. *Paper Presentation at the annual meeting of the American Educational Research Association*, April 12th-14th, Vancouver, Canada.
- Smithrim, K. & Garbati, J. *Rhythm in teaching and learning.* (April-June 2007) Paper presented at CSSE 2009.
- Volpe, R., Laroque, L. & Del Cotto, R. *Exploring the impact and salience of the experiences of children who participated in the integrated kindergarten program at Bloorview MacMillan Children's Centre School.* (2006/2007 – graduates of the integrated kindergarten who attended the program in 1999-2001)
- Zhang, J. (2010). Enhancing creative knowledge work with collaborative technologies. A paper presentation in a symposium: "Complex Ecologies: A Panel Discussion on Educational Research and Web 2.0 Technologies." The Annual Meeting of American Educational Research Association (AERA 2010), Denver, CO.
- Zhang, J., Hong, H.-Y., Scardamalia, M., Toe, C., & Morley, E. (2011). Sustaining knowledge building as a principle-based innovation at an elementary school. *Journal of the Learning Sciences*, 20 (2), 262–307.
- Zhang, J., Teo, C., Scardamalia, M. & Morley, E. "Constantly going deeper": *knowledge building innovation in an elementary professional community.* Paper presented at the annual meeting of the American Educational Research Association, March 2008.