

## Dr. Tess Miller

### EDUCATION

2004 – 2009 Doctor of Philosophy (Measurement and Assessment), Queen's University  
2002 – 2004 Master of Education (Measurement and Assessment), Queen's University  
1986 – 1987 Bachelor of Education (Computer Science/Mathematics), University of Toronto  
1982 – 1986 Bachelor of Science (Computer Science), York University

### RESEARCH CONTRIBUTIONS

#### PUBLICATIONS

##### ▪ Papers Published

- (R) Author (In press). Formative Computer-based Assessment in Higher Education. *Assessment and Evaluation in Higher Education*.
- (R) Klinger, D., DeLuca, C., & Miller, T. (2008). The Evolving Culture of Large-scale Assessments in Canadian Education. *Canadian Journal of Educational Administration and Policy*, 76, 1-34.
- (R) Author (2006). Behaviour Assessment in Ontario Mathematics Classrooms: Learning skills. *Educational Research and Review*. April 2006. 1 – 6.
- (R) Author (2005). Assessment Practices in Grade 9 Mathematics. *Dissertation Abstracts International*, 43, 5, AATMQ99918. (913543991).

##### ▪ Textbooks

- (R) Fournier, N., MacDonald, D., McIlreith, J., McKillop, D., Speijer, J., & Szeto, S. (2008). *Mathematics 8*, McGraw Hill Ryerson: Halifax, NS. (Assessment and Pedagogy Consultant).
- (R) Calabrese, B., Fournier, N., & Speijer, J. (2007). *Mathematics 7*, McGraw Hill Ryerson: Halifax, NS. (Assessment Consultant).
- (R) Ainslie, E., Forsythe, T., Fuller, J. Gilfooy, D., & Speijer, J. (2006). *Mathematics 10*, McGraw Hill Ryerson: Whitby, ON (Advisor).
- (R) Ainslie, E., Forsythe, T., Fuller, J. Gilfooy, D., & Speijer, J. (2005). *Mathematics 9, Focus on Understanding*, McGraw Hill Ryerson: Whitby, ON. (Advisor).
- (R) Erdman, W., Gilfooy, D., Lax, S., Ryan, K., Speijer, J., Szeto, S., & Webb, M. (2004). *Mathematics 8, Making Connections*, McGraw Hill Ryerson: Whitby, ON (Advisor).
- (R) Erdman, W., Gilfooy, D., Lax, S., Ryan, K., Speijer, J., Szeto, S., & Webb, M. (2004). *Mathematics 7, Making Connections*, McGraw Hill Ryerson: Whitby, ON. (Advisor).
- (R) Dearling, C., Erdman, W., McCudden, B., Meisel, R., Miller, T., & Speijer, J. (2003). *Mathematics: Applying the Concepts 9*. Whitby, ON: McGraw Hill Ryerson. (Author for chapters 4, 5, and 12; co-author for chapter 7).
- (R) Brosseau, J., Byers, T., Erdman, W., McCudden, B., Mehler, K., Miller, T., Perivolaris, L., & Saarimaki, P. (2002). *Mathematics: Preparing for College & Apprenticeship 12*. Whitby, ON: McGraw Hill Ryerson. (Author for chapters 5 and 6, and career profiles for 4 chapters).
- (R) Brosseau, J., Erdman, W., Fawcett, G., Irvine, J., McCudden, B., Mehler, K., Miller, T., Perivolaris, L., & Saarimaki, P. (2001). *Mathematics: Making Financial Decisions 11*. Whitby, ON: McGraw Hill Ryerson (Author for chapter 10 and all career profile materials).
- (R) Erdman, W., Fawcett, G., Lim, L., Lo, V., Love, B., McCudden, B., Miller, T.,

Perivolaris, L., Saarimaki, P., Zolis, P. (2000). *Mathematics: Applying the Concepts 10*. Whitby, ON: McGraw Hill Ryerson. (Author for chapters 2 and 4).

▪ **Blackline Masters**

(R) Miller, T. (2001). *Mathematics 11: Making Financial Decisions*, McGraw Hill Ryerson: Whitby, ON.

▪ **Teacher Resources**

(R) Brosseau, J., Byers, T., Erdman, W., McCudden, B., Mehler, K., Miller, T., Perivolaris, L., & Saarimaki, P., (2002). *Mathematics: Preparing for College and Apprenticeship 12*, McGraw Hill Ryerson: Whitby, ON. (Author for chapters 5 & 6).

(R) Brosseau, J., Erdman, W., Fawcett, G., Irvine, J., McCudden, B., Mehler, K., Miller, T., Perivolaris, L., & Saarimaki, P. (2001). *Mathematics 11: Making Financial Decisions 11*, McGraw Hill Ryerson: Whitby, ON. (Author for chapter 10).

(R) Erdman, W., Fawcett, G., Lim, L., Lo, V., Love, B., McCudden, B., Miller, T., Perivolaris, L., & Saarimaki, P. (2000). *Mathematics 10: Applying the Concepts*, McGraw Hill Ryerson: Whitby, ON. (Author for chapters 2 & 4).

(R) Miller, T., & Zolis, P. (1999). *MathPower 9, Teacher's Resource Manual*, McGraw Hill Ryerson: Whitby, ON. (co-authored all chapters).

## **SCHOLARLY & PROFESSIONAL ACTIVITIES**

▪ **Technical Reports**

2004 Review of Grade 9 Assessment of Mathematics, Educational Quality and Assessment Office, ON.

▪ **Conference Presentations**

2007 Formative Computer-Based Assessment in Higher Education: Evaluation of an E-learning Instrument. (Presentation, American Evaluation Association)

2007 Large-scale Assessment in Canada: The provincial perspectives. Phase II. (Symposium, University of Ottawa).

2006 Learning Skills: Behaviour Assessment in Ontario Schools. (Presentation, CSSE).

2005 Assessment Practices in Grade 9 Academic and Applied Stream Mathematics. (Presentation, CSSE).

2005 Large-scale Assessment in Canada: The provincial perspectives. Phase I. (Presentation, CSSE).

2004 Assessment Practices in Grade 9 Academic and Applied Mathematics Program. (Round Table, Kelly Conference).

2003 Instrumentation: The challenges of developing a valid and reliable questionnaire. (Poster Session, CSSE).

▪ **Professional Workshop Presentations**

2007 Improving Provincial Assessment Results. Ottawa District School Board.

2005 Assessment Practices in Grade 9 Academic and Applied Stream Mathematics. Ontario Association for Mathematics Educators.

2004 Teaching for Success in Applied Mathematics. Pine Ridge Math Association.

2004 Applied Mathematics: What can be done to improve learning and test results? Ontario Association for Mathematics Educators.

- 2004 Applied Mathematics: Putting Theory into Practice – Mind the Gap! Toronto Educators' Association for Mathematics.
- 2003 Teaching Applied Mathematics. Guest Speaker, Brock University, Additional Qualifications Summer Program.
- 2003 Introduction to Fathom. Ontario Association for Mathematics Educators.
- 2003 Teaching for Success in Grades 9 & 10 Applied Mathematics. Toronto Educators' Association for Mathematics.
- 2002 Exam View Software – Computerized Assessment Banks. Toronto District School Board.
- 2002 Grade 12 College and Apprenticeship Mathematics – Making it Work. Ontario Association for Mathematics Educators.
- 2002 Teaching Grade 12 College Mathematics. Lambton – Kent School Board.
- 2001 Assessment & Evaluation – Focusing on Mathematics of Personal Finance. Ontario Association for Mathematics Educators.
- 2001 What's new for College 11? Ontario Association for Mathematics Educators.

### **ACADEMIC & PROFESSIONAL APPOINTMENTS**

- 1998 – 2001 Head of Mathematics, Sinclair Secondary School
- 1998 – 2001 Associate Teacher, University of Toronto

### **COMMITTEES & ORGANIZATIONS**

- 2008 – 2009 Classroom Audit Committee, University of Prince Edward Island
- 2007 – 2008 Appointments Committee, Queen's University
- 2003 – 2004 Research in Progress Seminar Series, Queen's University (Co-Chair)
- 2004 Kelly Conference, Queen's University (Program Developer)
- 2004 - 2006 B.Ed. Selection Committee, Queen's University (Statements of Intent)

### **EMPLOYMENT HISTORY**

- 2008 – Assistant Professor, University of Prince Edward Island
- 2005 – 2008 Teaching Fellow (Classroom Assessment Practices), Queen's University
- 2003 – 2008 Research Assistant, Queen's University
- 2003 Teaching Assistant, Queen's University
- 2003 Research Assistant, OISE, University of Toronto
- 1992 - 2002 Teacher/Department Head (Mathematics/Computer Science), Durham District School Board
- 1991 - 1993 Teacher (Mathematics/Computer Studies), Chinese/Canadian International School
- 1987 - 1991 Teacher (Business Studies/Computer Science), Durham District School Board

### **AWARDS & DISTINCTIONS**

- 2009 New Scholar Grant, University of Prince Edward Island
- 2008 Alice Corry Bursary, Queen's University
- 2006 - 2007 Ontario Graduate Scholarship
- 2005 Bateson New Scholar Award, CSSE
- 2005 Martin Schiralli Fellowship, Queen's University
- 2002 – 2008 Queen's Graduate Scholar