

Lynda E.C. Colgan

**Associate Professor
Faculty of Education**

**Queen's University
Kingston, Canada**

EDUCATION

1996 Principal's Qualifications (Secondary School), OISE/UT
 1992 Ph.D., Computer Applications in Mathematics Curriculum, The Ontario Institute for Studies in Education
 1988 M.Ed., Computer Applications, The Ontario Institute for Studies in Education
 1984 Specialist Certificate, Computers in the Classroom, York University
 1982 Special Education, Part I, University of Toronto
 1977 B.Ed., University of Toronto
 1976 B.Sc. (Honours) Biology and Mathematics, University of Toronto

ACADEMIC AND PROFESSIONAL APPOINTMENTS

2009- Coordinator, Community Outreach Centre, Faculty of Education, Queen's University, Kingston
 2006-2009 Coordinator, Education Foundations, Faculty of Education, Queen's University, Kingston
 2004- Associate Professor, Faculty of Education, Queen's University, Kingston
 1998-2004 Assistant Professor, Faculty of Education, Queen's University, Kingston
 1998 Vice-Principal, Dr. Norman Bethune C.I., The Board of Education for the City of Scarborough, Scarborough
 1992-1998 K-12 Mathematics Coordinator, The Board of Education for the City of Scarborough, Scarborough
 Research Associate, The Board of Education for the City of Scarborough, Scarborough
 1989-1991 Research Assistant, Measurement, Evaluation and Computer Application Group, The Ontario Institute for Studies in Education, Toronto
 1988-90 Mathematics Consultant, Associated Hebrew Schools, Toronto
 1985-86 Visiting Assistant Professor, Faculty of Education, York University, North York (Secondment from The Board of Education for the City of Scarborough)
 1983-90 Adjunct Professor, Faculty of Education, York University, North York
 1983-88 Consultant: Computers in Education, K – O.A.C., The Board of Education for the City of Scarborough, Scarborough
 1982-83 Teacher (Grade 5), Eastview Jr. P.S., The Board of Education for the City of Scarborough, Scarborough
 1977-1982 Teacher (Mathematics, Science, Biology, Grades 9-OAC), Sir Oliver Mowat C.I., The Board of Education for the City of Scarborough, Scarborough

AWARDS AND DISTINCTIONS

2007 Nominee, 3M MacLeans National Teaching Fellowship
 2007 Outstanding Contribution to Mathematics Education in Ontario, The Ontario Association for Mathematics Education
 2007, 2006, 2002, 1999 Nominee, Golden Apple Teaching Award, Faculty of Education, Queen's University
 2001 Golden Apple Teaching Award, Faculty of Education, Queen's University

- 1988 Award of Excellence in Education, The Ontario Secondary School Teachers' Federation
 1987 The Marshall McLuhan Distinguished Teacher Award, The McLuhan Institute for Global Communications

RESEARCH/CREATIVE/SPECIAL PROJECT GRANTS (Peer Reviewed)

- 2011 **Colgan, L.E.C.** "Community Outreach Centre, Faculty of Education." Imperial Oil Foundation (\$125 000).
Colgan, L.E.C. "Science Rendezvous Kingston 2011." The Mathematics, Science and Technology Education Group (\$10 000).
- 2010 **Colgan, L.E.C.** "Community Outreach Centre, Faculty of Education." Imperial Oil Foundation (\$125 000).
- 2010 **Colgan, L.E.C. and Bridges, T.J.** "Program Evaluation of *Science Rendezvous Kingston*," CTL Engagement Grant, Centre for Teaching and Learning, Queen's University (\$2 500).
- 2010 **Elatawi, H. and Colgan, L.E.C.** "The Prime Radicals." Development funding for 26 episodes of a children's mathematics program. The Ontario Media Development Corporation. (\$975 000)
- 2009 **Colgan, L.E.C.** "Assessing and Ameliorating Kindergartner's Mathematics Difficulties in Number Sense," SEED money for educational research, Faculty of Education, Queen's University (\$5 000).
- 2007 **Colgan, L.E.C.** "Building a Low-Anxiety, High Motivation, Learner-Centred Elementary Mathematics Classroom." MSTE Group, Faculty of Education, Queen's University. (\$78 673)
- 2004 **Colgan, L.E.C. and Kirby, J.** "Using Assessments of Children's Early Arithmetic Concepts to Inform Instruction," SEED money for educational research, Faculty of Education, Queen's University (\$5 000).
Colgan, L.E.C. "The Shared Repository: A Representation of Novice Teachers' Transformed Beliefs," e-Learning incentive grant for educational research related to computer information technology, Faculty of Education, Queen's University (\$5 000).
- 2003 **Colgan, L.E.C.,** "Connect-ME: A Case Study on Individual and Small Group Change in a Local, On-Line Professional Learning Community for Elementary Educators". Program Evaluation Funds. Imperial Oil Charitable Foundation (\$7 500).
- 2002 **Colgan, L.E.C.,** Assessment of "Connect-ME". MSTE/Imperial Oil Charitable Foundation Program Evaluation Funds. Imperial Oil Charitable Foundation (\$5 000).
- 2000 **Colgan, L.E.C. ,** "Connect-ME: Building and Sustaining Local On-Line Professional Learning Communities for Elementary Mathematics Educators". SSHRC Research Grant (\$95 000 over 3 years).
Colgan, L.E.C. "Connect-ME." Imperial Oil Charitable Foundation (\$70 000 over 3 years).

BOOKS

- 2011 **Colgan, L.E.C.** *Mathemagic Number Tricks*. Toronto, ON: Kids Can Press. (*Mathemagic has been designated by the Junior Library Guild (JLG) in the U.S.A. as one of the "best of the best" children's non-fiction works for 2011. Of the 195 000 children's books published annually in North America, only 3 000 books are selected by publishers to be submitted to the JLG. Of the 3 000 submissions, only 384 are selected by the JLG. The JLG is an expert body that reviews books and makes recommendations to all public and school libraries.*) In September 2011, *Mathemagic* was sold to Tehniska Zalozba Slovenije for Slovenian

rights. In October, 2011, *Mathemagic* was nominated for the Silver Birch Award for the 2012 Children's Non-Fiction Book.

- 2010 Reys, R.E., Lindquist, M.M., Lambdin, D.V., Smith, N.L. and Colgan, L.E.C. **Helping Children Learn Mathematics, 1st Canadian Edition.** Toronto: John Wiley and Sons. January 2010.

RECENT PAPERS IN PUBLICATIONS WITH A REVIEW PROCESS

- 2011 Colgan, L.E.C. (September, 2011) *Parents as Teachers: Professional Development as Partnership.* The Ontario Mathematics Gazette. Vol. 50, No. 1
Colgan, L.E.C (June, 2011) *Inside, Out... Unusual Mathematics Classrooms.* The Ontario Mathematics Gazette, Vol.49, No. 4
Colgan, L.E.C. (March 2011) *The Elephant in the Room: Math Content Knowledge and Pre-Service Teacher Candidates.* The Ontario Mathematics Gazette, Vol.49, No. 3
- 2010 Colgan. L.E.C.(December 2010) Math Hits Prime Time with the *Prime Radicals.* The Ontario Mathematics Gazette. Vol 49, No 2.
Colgan. L.E.C. Kingston Counts! (June 2010) The Ontario Mathematics Gazette. Vol 48, No. 4.
Colgan. L.E.C. Count Yourself In! (March 2010). The Ontario Mathematics Gazette. March 2010, Vol 48, No. 3.
- 2009 Colgan. L.E.C. Working with Mathematically Gifted Students (September 2009). The Ontario Mathematics Gazette. March 2010, Vol 48, No. 1.
Colgan, L.E.C. (June, 2009). Large-Scale Assessment Hits Faculties of Education: The TEDS-M Study. The Ontario Mathematics Gazette, Vol 47, No. 4.
- 2008 Colgan, L.E.C. (June 2008). You're Invited to Learn About Family Math and to Come to Queens. The Ontario Mathematics Gazette., Vol. 46, No. 4.
- 2007 Dalgarno, N.. & Colgan, L.E.C (July 2007). *Supporting novice elementary mathematics teachers' induction in professional communities and providing innovative forms of pedagogical content knowledge development through information and communication technology.* Teaching and Teacher Education. 23(4).
Colgan. Lynda E.C. Are your math smarts better than a 5th grader's? The OAME Gazette. Vol. 45 No. 4, December 2007.
Colgan. Lynda E.C. Miss Thompson was right...you can't do the math if all you see are squiggles. The OAME Gazette. Vol. 45 No. 3, September 2007.
Colgan. Lynda E.C. Benezet's Experiment: Fodder for Summer Coursework. The OAME Gazette. Vol. 45 No. 2, June 2007.
Colgan. L.E.C. Math Education Loses a Giant. The OAME Gazette. Vol. 45 No. 1, March 2007.
- 2006 Colgan. L.E.C. The Pygmalion Effect in the Mathematics Classroom. *The OAME Gazette.* Vol. 45 No. 2., December 2006
Colgan. L.E.C. Seeing Ourselves as Children See Us. *The OAME Gazette.* Vol. 45. No. 1., September 2006.
Colgan. L. E.C. Let the Slow Times Roll. *The OAME Gazette.* Vol. 44 No. 4., June 2006.
Colgan. L.E.C. Everything Old May be New Again, but It Isn't Good Enough ... *The OAME Gazette.* Vol. 44 No. 3., March 2006.
- 2005 Colgan. L.E.C. Mathematical Funderstanding: Capitalizing On The Mathematics Puzzle Craze In Our Classrooms *The OAME Gazette.* Vol. 44 No. 2., December 2005.
Colgan. L.E.C. Mathematical Learning Disabilities? They're Real, They're Little Understood, but There Is Help. *The OAME Gazette.* Vol. 44 No. 1., September, 2005.

Colgan, L.E.C. Let's Make this a Relay and Start Passing the Torch. *The OAME Gazette*. Vol. 43 No. 4., June 2005.

Colgan, L.E.C. Turns Out You CAN Judge a Book by its Cover!!! *The OAME Gazette*. Vol. 43 No. 3, March 2005.

TECHNICAL REPORTS

- 2011** Colgan, L.E.C. The Faculty of Education Community Outreach Centre: Community-based research and mathematics, science and technology education initiatives. Submitted to The Imperial Oil Foundation, March 2011.
- 2010** Colgan, L.E.C. The Faculty of Education Community Outreach Centre: Establishing the needs and nature of community/university partnerships in the Kingston, Ontario area. Submitted to The Imperial Oil Foundation, March 2010.

COMMISSIONED REPORTS

- 2007** Wilson, R. and Colgan, L.E.C. Rearticulating the Standards: Grade 6 Provincial Mathematics Assessment. Toronto: Education, Quality and Accountability Office.
Wilson, R. and Colgan, L.E.C. Rearticulating the Standards: Grade 3 Provincial Mathematics Assessment. Toronto: Education, Quality and Accountability Office.
Wilson, R. and Colgan, L.E.C. Designing Rich Learning Tasks for the Grade 3 and 6 Classroom. Toronto: Education, Quality and Accountability Office.
- 2002** Colgan, L.E.C. Elementary Mathematics in Canada: Research Summary and Classroom Implications. Toronto: Pearson Education Canada.

OTHER PUBLICATIONS

- 2006 to May 2009** Biweekly mathematics column in the Kingston Whig-Standard

CREATIVE PRODUCTS

- 2008 to present** *The Prime Radicals*: a television show about mathematics in the world around us is in Season Two production with TVO. Launch Season 1: January 2011. Launch Season 2: January 2013.

B.Ed. COURSES TAUGHT

CURR 383 (Elementary Mathematics); FOUN 405 (Psychology of Learning Mathematics); FOCI 209 (Junior/Intermediate Mathematics); FOCI 204 (Mathematics Leadership); FOCI 202 (Alternative Education in Canada); PROF/PRAC 190.

GRADUATE COURSES TAUGHT

EDUC 803 (Curriculum Innovation and Change); EDUC 809 (Assessment of Student Growth and Achievement); EDUC 840 (Issues in Mathematics, Science and Technology Education); EDUC 890 (Introduction to Educational Research); EDUC 895 (Methods of Qualitative Research).

CAREER TOTALS

Books authored: 5

Papers in refereed journals: 47

Papers in refereed conference proceedings: 6

Technical reports: 11

Conference papers: 8

Keynote Addresses: 15

Workshops: 130

Graduate Students

PhD Supervision	2
PhD Supervisory Committee Member	3
MEd Supervisor (Thesis)	16
MEd Supervisor (Project)	4
MEd Supervisory Committee Member	7
MEd Project Second Reader	5

