

JANICE GROW-MAIENZA, Ph.D

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EDUCATIONAL BACKGROUND

University of Chicago, Chicago, Illinois

Ph.D., Division of Social Sciences, June, 1981

Special emphases: Curriculum and Instruction, Teacher Education, Administration
Cum Laude; Past President, Lambda Chapter, Pi Lambda Theta.

M.S.T., Graduate School of Education, June, 1974

Special emphases: Reading, English Curricula

Saint Louis University, St. Louis, Missouri

B.S., Arts and Sciences

Special emphases: Speech Pathology; Psychology, English, Philosophy
Cum Laude: Honorary Speech Fraternity; Top Clinical Awards

**Additional Study at University of Missouri, Columbia; University of Michigan, Ann Arbor;
and post-doctoral work at the University of Chicago**

PROFESSIONAL HISTORY

Truman State University, Kirksville. (Formerly: Northeast Missouri State University)

Professor of Education since 1988 in Master of Arts in Education (MAE) program. Tenured since 1992.

Pusan National University, Korea.

Exchange Professor, 1995-1996.

Institut Keguruan dan Ilmu Pendidikan (IKIP) Jakarta, and IKIP Malang, Indonesia.

Visiting Consultant and Research Associate, 1987-1988.

Indonesian/World Bank Second Teacher Training Project, Jakarta.

Consultant, Language Education, 1986 to September 1987. Designed and conducted national and regional workshops for secondary trainers of primary teachers for the Indonesian Ministry of Education. Also engaged in faculty development at IKIP Jakarta (Institute for Teacher Training and the Science of Education for the Province of Jakarta).

Saint Mary's College, Notre Dame, IN

Assistant Professor, Department of Education, 1984-1986.

Sinte Gleska College, Rosebud Sioux Reservation, South Dakota.

Chairman, Education Department, 1982-1984. Held salary rank of Associate Professor though traditional professorial rank and title were not used in this non-traditional college.

Advanced Technology, Inc. (ADTECH), McLean, VA

Research Consultant, 1981.

University of Chicago, Chicago, IL

Dissertation Research, 1979-1981.

FELLOWSHIPS, GRANTS AND AWARDS

- 2010 Missouri Department of Higher Education Improving Teacher Quality Award for Professional Development with *gecKo mathematics*
- 2008 Missouri Department of Higher Education Improving Teacher Quality Award for Professional Development with *gecKo mathematics*
- 2006 Outstanding reviewer award, **Educational Researcher**, American Educational Research Assn.,
- 2002 Eisenhower XIX Professional Development award for extension of Eisenhower XVIII
- 2001 Eisenhower XVIII Professional Development award for engaging teachers in development of mathematics curriculum <http://eisenhowermathematics.truman.edu/>
- 2000 NSF ESIE SGER award for translation and analysis of Korean mathematics textbook series
- 1999 Truman State University Curriculum Improvement Grant for Korean Mathematics Study
- 1997 Truman State University Research Grant for Korean Mathematics Translations
- 1996 Northeast Missouri State University Research Grant for Korean Mathematics Study
- 1996 Northeast Missouri State University Travel Grant for Japan/China
- 1995 Sabbatical for teaching/research in Korea, 1995-1996
- 1994 Northeast Missouri State University Instructional Improvement Grant/ Developmental Study of interns
- 1993 Jepson Fellowship Award, Northeast Missouri State University
- 1992 Northeast Missouri State University Instructional Improvement Grant for Chapter Development in The Teacher Educator's Handbook. Jossey Bass, 1996.
- 1990 Northeast Missouri State University Faculty Research Grant for Sex-Role Perceptions of Women Students
- 1990 Northeast Missouri State University Faculty Travel Grant for Egypt
- 1989 Northeast Missouri State University Instructional Improvement and Faculty Research Grant for analysis of questioning patterns in Indonesian classrooms
- 1988 Benton Center for Curriculum and Instruction, University of Chicago, Visiting Scholar.
- 1986 Saint Mary's College Faculty Research Award for work on Sex-Role Perceptions of College Students.
- 1985 Lilly Foundation Award for Curriculum Development in Native American Literature
- 1984 Saint Mary's College Faculty Research Award for work on a Lakota Anthology.
- 1984 Seminar for New Deans and Chairpersons of Schools and Departments of Education, AACTE, San Antonio.
- 1983 NEH Fellow, National Endowment for the Humanities Summer Seminar in American Indian Literature
- 1983 Awarded American Indian History Fellowship, Newberry Library Center for the Study of American Indian History.

PUBLICATIONS

- 2009 Grow-Maienza, J., Alberts, S., and Kim, H.J. Korean Mathematics Adds Value to Teachers' Conceptual Understanding in the United States. **Journal of the Korean Society of Mathematical Education Series D: Research in Mathematical Education**, 13 (3) September 2009: 235-250.
- 2009 Grow-Maienza, J. Korean Mathematics: In-depth and focused on the underlying concepts. *St. Louis Confluence: Journal of the Mathematics Educators of Greater St. Louis*, 6(1) 2009: 21.
- 2008 Grow-Maienza, J. Studying the Effect of Korean Mathematics on American Teachers in Mid-America. **Journal of the Korea Society of Mathematical Education**, Vol. 12, No. 2, June, 2008, 151-165.
- 2007 Grow-Maienza, J. and S. Beal. Exploring Korean Mathematics. In **Proceedings of First International Curriculum Conference, Center for the Study of Mathematics Curriculum**, November 11-13, University of Chicago, Chicago
- 2002 Grow-Maienza, J. **Conceptualization of NCTM Recommended Constructs in Korean Textbook Materials**. Final Report to the NSF on ESIE SGER Award #0086580. Truman State University.
- 2001 Grow-Maienza, J., Hahn, D.D., and Joo, C.A. **Mathematics Instruction in Korean Primary Schools**. **Journal of Educational Psychology**, Vol. 93 (2), June, 2001:363-376.
- 2001 With Joo, C.A. **Ideal Goals for Schools and Real Emphases: Perspectives of Undergraduates in Korea Compared to those of Teacher Candidates in the United States**. Pusan National University. (ERIC Document Reproduction Service No. ED 409306).

- 1996 Grow-Maienza, Janice. **Philosophical and structural perspectives in teacher education.** Chapter in F. Murray (Ed.), **The teacher educator's handbook: building a knowledge base for the preparation of teachers.** San Francisco: Jossey-Bass.
- 1991 Grow-Maienza, Janice. **Reform and curriculum change: four cases.** Kirksville: Northeast Missouri State University. (ERIC Document Reproduction Service No. ED 331816).
- 1991 Also: **Teacher education and the role of external actors: Four case studies.** Kirksville: Northeast Missouri State University. (ERIC Document Reproduction Service No. ED 332 967).
- 1987 Grow, Janice. **A Communicative Approach to Language Teaching for Lecturers in Indonesia Preparing to Study Abroad.** In **Guidelines: A Periodical for Classroom Language Teachers,** 9(2) December 81-89..
- 1986 Maienza, Janice Grow. **The Superintendency: Characteristics of Access for Men and Women.** In **Educational Administration Quarterly,** 22(4) 59-79.
- 1986 Maienza, Janice Grow. **The Female Superintendent: Another Perspective.** **Journal of NAWDAC,** (Spring) 30-36.
- 1983 Maienza, Janice Grow. **A Selected Bibliography for an American Indian Collection in Children's Literature for the Elementary Curriculum.** Rosebud, SD: Sinte Gleska College

PROFESSIONAL ACTIVITIES (Papers Presented; Sessions Chaired)

- National Council of Teachers of Mathematics (and ICME, NCSM, ATME, and CSMC)**
- 2012 Impact of Korean Primary Mathematics Curriculum Materials on Teachers and Students in Missouri. Proposal pending for 12th International Congress on Mathematical Education July , 2012. Seoul, Korea.
- 2012 **Fractions in Korean Mathematics.** Paper pending for Hawaii Council of Teachers of Mathematics Annual Conference, February, 2000. Honolulu, HI
- 2012 **Treatment of Fractions in Asian Curricula and the Common Core State Standards (CCSS).** Organizer and main speaker for symposium with Jinfa Cai, Meixia Ding, William Jackson, Daniel Kitashima and Mary Pat Sjostrum at Research Pre-session of NCTM annual conference, April, 2012, Philadelphia.
- 2011 **Abstracting Mathematics Principles from Korea and Singapore for Professional Development.** Poster presented with Daniel Kitashima at Research Pre-session of NCTM annual conference, April 11, Indianapolis.
- 2010 **Effects of Asian Curriculum Materials on Teachers' Knowledge, Pedagogy.** Paper presented with Scott Alberts and Hyun Joo Kim at Research Pre-session of NCTM, April 20, 2010, San Diego.
- 2010 **Focus on the "Big Ideas" in an Asian mathematics curriculum increases understanding for teachers and students.** Interface, professional development conference sponsored by DESE, Tan Tar A, February, 2010
- 2009 **Content and Process Principles in Asian Curricula.** Presented at Missouri Council of Teachers of Mathematics annual meeting, December, Columbia, MO.
- 2009 **Korean Mathematics Adds Value to Teachers' Conceptual Understanding in the United States.** Paper presented with Hyun Joo Kim and Scott Alberts at meeting of the Korea Society of Mathematical Education. October, 2009, Daejeong, Korea.
- 2008 **Studying the Effect of Korean Mathematics on American Teachers in Mid-America.** Paper presented by Dae-Dong Hahn at meeting of the Korea Society of Mathematical Education, May 15, 2008, Seoul.
- 2006 **Eastern Conceptualization, Western Pragmatism in Primary mathematics.** Invited paper presented at Global Issues Colloquium, February 9, Truman State University, Kirksville, MO
- 2005 **Exploring Korean Mathematics.** Invited paper presented with Susan Beal at the First International Curriculum Conference, Center for the Study of Mathematics Curriculum, November 11-13, University of Chicago, Chicago.
- 2005 Organized research symposium and presented with Susan Beal, Tad Watanabe, and Yeping Li. **Developing Procedure with conceptual Understanding in Asian Textbooks.** Research Pre-session of NCTM annual meeting, April 4-5, Anaheim, CA.
- 2004 **Seeing Korean Mathematics through American Eyes.** Poster session presented with Susan Beal at the 10th International Congress on Mathematical Education July 4-11, 2004. Copenhagen, Denmark
- 2004 **The Geometry Domain for Teachers in Korean Mathematics.** Paper presented with Susan Beal at annual meeting of the National Council of Supervisors of Mathematics in April. Philadelphia, PA.

- 2004 **An Introduction to Korean Mathematics through Geometry, Grades 1-6.** Paper presented with Susan Beal at annual meeting of American Mathematics Teacher Educators (AMTE) in January. San Diego, CA.
- 2003 **Korean Primary Mathematics: Block Learning and Conceptualization of the Constructs,** San Antonio.
- 2002 **Korean Mathematics: How does conceptually-based direct mathematics instruction differ from traditional direct mathematics instruction?** Chaired and presented with Tim Roth and Tierney Dick at annual meeting of the Missouri Council of Teachers of Mathematics, Columbia, MO.
- 2001 Chaired session titled **Content and Processes Discovered in Asian Elementary and Middle School Mathematics Textbook Series** at research pre-session of annual meeting with Tad Watanabe and Loyce Adams; Presented paper titled **Conceptualization of the NCTM Content Strands Found in a Korean Textbook Series,** Orlando.
- 2000 Chaired panel and presented with Monaghan, Bohnert, and Collier, papers titled **Use of Conceptually-based Modules from Korean Texts to Teach Operations.** Annual meeting of the Missouri Council of Teachers of Mathematics. December, Columbia, MO.

American Educational Research Association

- 2005 **Operations and Procedures Taught by Developing the Conceptual Underpinnings in Korean mathematics.** Poster presented with Susan Beal at session titled "Studies of Mathematics Learning and Instruction in Elementary and Middle Schools for Division C, Annual AERA meeting, April 11-15, Montreal.
- 2003 Presented with Susan Beal and Tamela Randolph **Conceptualization of Constructs in Korean Primary Mathematics** in session titled **Measuring the Influence of Mathematics Professional Development and Instructional Interventions,** for Division C, Section 3: Mathematics, Chicago.
- 2003 Presented with Sam Minner, Scott Olsen, and David Bethel **Use of Conceptually Based Mathematics Curricula for Professional Development of Teachers** in session titled **Teacher Learning in Mathematics** for Division K, Section 1: Teaching Practices, Knowledge, and Education in Mathematics and Science, Chicago.
- 1999 Presented **Primary Mathematics Instruction in Korea: A Linguistic Analysis of Interaction Patterns,** Montreal.
- 1997 With Dae Dong Hahn and Chul An Joo presented **Mathematics Instruction in Korean Primary Schools: An International Collaborative Study,** Chicago. Also: With Chul An Joo presented **Ideal Goals and Real Emphases in Schools: Perspectives of Undergraduates in Korea.**
- 1995 With Patricia Howard presented **Developmental States of Efficacy in Beginning Teachers evidenced in Teaching Interns in a Fifth Year Program,** San Francisco.
- 1991 Presented **Teacher Education Reform and Curriculum Change: Four Case Studies** (Division B: Curriculum), Chicago; **Teacher Education Reform and the Role of External Actors: Four Case Studies** (Division K: Teacher Education), and **Question/Response Patterns in Middle and Secondary Schools in Indonesia** (Division G: Social Context) Chicago.
- 1990 Presented **Curriculum Issues in The Reform of Teacher Education at Northeast Missouri State University,** Boston.

Teachers of English to Speakers of Other Languages (TESOL)

- 1989 Presented **English Language Education in Indonesia: Some Issues and Problems,** San Antonio.

Southeast Asian Ministers of Education Organization

- 1987 Invited Lecture: **Functions of Some Speech Acts in Traditional Indonesian Second Language Classrooms,** SEAMEO Regional Language Centre, Singapore.

PROFESSIONAL EXPERIENCE

ADMINISTRATION

- 1988-Present: Professor, Division of Education, Truman State University (formerly Northeast Missouri State University). Division Steering Committee and Elementary Convenor (1990-1994). As Chair, Task Force on Curriculum Development for MAE organized Teacher Education Faculty Retreat (1989). As Chair, Curriculum Committee for the MAE and Chair, NCATE Subcommittee for Design of the Curriculum, directed and wrote Rationale for the Mission and Knowledge Base for the MAE (1990).

Also team leader for development of two new professional studies courses for the MAE.
Wrote Institutional Report for Missouri Department of Elementary and Secondary Education (1991).

Committees: NCATE Steering Committee, chair, Subcommittee for Design of the Curriculum Task Force on Development of Comprehensive Exam for the MAE; MAE Committee on Degrees; Curriculum Committee for the MAE, Chair, 1989-1996; Admissions Committee for the MAE; International Study Abroad Committee; Scholarship Selection Committee for the MAE; Liberal Arts and Sciences Core Courses Study Group (1991-92); Women's Studies Committee; Liberal Arts and Sciences Core Review Committee (1993-1996); Liberal Studies Program Committee on Writing Enhanced Course Development; Liberal Studies Program Committee on Statistics; University Undergraduate Council (1992-1994); Various ad hoc search committees.
Formerly on Advisory Board University Women's Center;
Board of Directors University Faculty Club; Faculty Associate at Missouri South Residential College; Advisor to NMSU Elementary Education Club--Assisted the latter with the organization of the first interdisciplinary regional educational conference involving twelve campus and community organizations (1990-91). Ad hoc committees for selection of Truman research grants, Truman faculty curriculum development grants, Truman travel grants; Sexual Harassment committee.

1995-1996 Exchange Professor, Pusan National University, KOREA

As organizer and director of research project for study of mathematics instruction in Korean primary schools, organized work of two collaborating professors, and directed thirteen graduate research assistants in collection and analysis of data from five primary schools. Study was reported at international conference in 1997; extension of study received Korean Foundation funding in 1996, Truman Faculty Research Grand funding in 1997, and is currently under consideration for Spencer Foundation funding in 2000.

1986-1987 Consultant, Department of Education and Culture, INDONESIA

Designed and implemented a national in-service program for language teachers with built-in regional capacity. Prepared 48 master teachers in the 27 provinces of INDONESIA to replicate language training workshops for 200 more teachers in their own regions.

1982-1984 Chairman, Education Department, Sinte Gleska College.

Director, Teacher Education; Director, Clinical Services; Certification Officer; Placement Officer.

Committees: Academic Affairs, Ad Hoc Personnel Evaluation Committee; Vice President's Committee for Department Chairmen; Organizational Committee for state task force to revise teacher education curriculum for State of South Dakota; College Representative to AACTE and to School Administrators of South Dakota (SASD)
Accomplishments: Assisted with College Accreditation by North Central Association of Colleges and Secondary Schools in 1983. Recruited and supervised full and part time faculty of 12. Directed Self Study for 1984 State Approval of Teacher Education Program. Revised Program of Studies for the Education Department. Revised Internship Handbook. Initiated and directed writing of a funded \$450,000 grant proposal for bilingual/multicultural teacher training and curriculum development project.

1978-1979 Research Project Director, River Forest Community Center and Township.

Responsibilities: Design of Instrument to assess community needs and interests. Recruitment, training, and supervision of Interviewers. Analysis of data, preparation and dissemination of report.

TEACHING

1988-Present Truman State University (Formerly Northeast Missouri State University).

Curriculum and Instruction (Clinical Experiences)	Issues in Democratic Institutions
Management of Instruction	Foundations of Education
Integrating the Language Arts	Applied Educational Psychology
Research Methodology	Supervision of the Internship

1995-1996 Pusan National University, Korea

Seminar in Education	Methods of Qualitative Research
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Seminar in Teacher Education

Conversational English

1987-1988 Institut Keguruan dan Ilmu Pendidikan Jakarta, Fakultas Pasca Sarjana (Graduate Division, Institute for Teacher Training and Development, Jakarta).
Faculty Development in Writing Research Skills
Faculty Development in English Language Teaching Skills
English as a Second Language

1986-1987 Department of Education and Culture, Indonesia.
National and regional training workshops for secondary language teachers.

1984-1986 Saint Mary's College/University of Notre Dame.
Supervision of Elementary Student Teaching Curriculum Theory and Practice
Supervision of Secondary Student Teaching Corrective Reading
A Multicultural Approach to Literature Reading (Research) Seminar

1982-1984 Sinte Gleska College, Rosebud Sioux Reservation, South Dakota.
Children's Literature Curriculum Theory and Practice
Foundations of Education Reading Development
Education of the Culturally Different Social Studies for Elementary Teachers
Supervision of Student Teachers Language Arts for Elementary Teachers

1974-1978 Triton Community College, River Grove, IL.
Basic Composition; Communications; and Reading Development

1975 Chicago Consortium of Colleges and Universities, Loyola University, Chicago
Reading in the Content Area

1974 Concordia College, River Forest, IL
The Teaching of Reading

Prior to 1974 Speech Therapist and Elementary Teacher.
Eight years of experience in Missouri, Illinois, and Michigan

COMMUNITY SERVICE

1988-Present Optimists Club, American Association of University Women, Phi Delta Kappa,
Faculty Associate, Missouri South Residential College, Adair County Historical Society.
Phi Kappa Phi, invited speaker, 1997

1986-1988 Ganesha Society, National Museum of Jakarta.

1984-1986 Committees:

Regional Lau Project Committee for Division of Migrant and Bilingual/Bicultural Education, Indiana State
Department of Public Instruction; Michiana Regional Committee for Potawatomi Recognition.
Saint Mary's College Committee on Women's Studies.

1982-1984 Developed graduate level course for school personnel in South Dakota rural areas for Black Hills State
College Department of Continuing Education; All school workshop titled "Raising Teacher Expectations for
Children," presented at St. Francis Indian School, St. Francis, SD; Session at all district workshop titled
"Selecting and Teaching American Indian Literature for the Language Arts Curriculum," Todd County School
District, Mission, SD.

1978-1982 Editorial Committee for River Forest Guide to Architecture.

Board of Directors, River Forest Community Center; Committee on Senior Citizen Services, River Forest
Township, River Forest, IL; Centennial Committee, River Forest Township, IL.

PROFESSIONAL ORGANIZATIONS -- CURRENT AND PAST

Current

International Congress on Mathematical Education
National Council of Teachers of Mathematics
Missouri Council of Teachers of Mathematics
Hawaii Council of Teachers of Mathematics
Phi Kappa Phi
Optimists International

Past

American Educational Research Association 1981-2009
American Association of University Professors
Kappa Delta Pi
National Council of Teachers of English
Association for the Study of American Indian Literature
Modern Language Association
Association of Supervision and Curriculum Development
South Dakota Association for Bilingual/Bicultural
Education, and
South Dakota Indian Education Association, 1982-1984
American Association of School Administrators, 1979-
1982
Illinois Association of School Administrators, 1979-1981
Pi Lambda Theta
American Association of University Women