**College of Science: Faculty Publications and Presentations**

**Related to Multicultural and Gender Studies**

**I. Refereed Journal Articles, Book Chapters and Reports**

**Mathematics:**

Cuevas, G. J. (2005). “Teaching mathematics to English language learners:

Perspective for effective instructions.” In A. Huertas-Macias (ed.) *Working*

*With English Language Learners: Perspectives and Practice.* Dubuque, IA:

Kendal Hunt Publishing Company.

Cuevas, G. J. (1991). “Developing communication skills in mathematics for

Students with limited English proficiency.” *Mathematics Teacher,* 84.3, 186-

189.

Cuevas, G. J. (1995). “Empowering all students to learn mathematics,” In Dr. I.

Carl (ed.), *Seventy-Five Years of Progress: Prospects for School Mathematics.*

Reston, VA: National Council of Teachers of Mathematics, Inc.

Marshall, J. H. & Sorto, M. A. (2008). “Teaching what you know or knowing how to

teach? The effects of different forms of teacher mathematics knowledge on

student achievement in rural Guatemala.” *Journal of Research in Mathematics*

*Education.* Currently under review.

Mireles, S. V. (2009, September). Correlating mathematics and science.

*mathematics Teaching in the Middle School,* 15 (2), 100-107.

Offer, J., & Mireles, S. V. (2009, March). Mix it up: Teachers’ beliefs on mixing

mathematics and science. *School Science and Mathematics,* 109(3), 146-152.

Vasquez-Mireles, S., & West, S. (2007, February). Mix it up: Suggestions for

correlating science and mathematics. *The Science Teacher.* 74(2), 47-49.

West, S. & Vasquez-Mireles, S. (2006, October). Correlating science and math

TEKS to improve student understanding. *The Texas Science Teacher,* 8-10.

West, S. Vasquez-Mireles, S. & Coker, C. (2006, September). Math and/or science

education: Separate or integrate? *Journal of Mathematic Science and*

*Mathematics Education, 1(2).*

**II. Scholarly Papers, Presentations and Readings-National, Regional, State**

**Mathematics**

**“**Correlating Mathematics and Science for Current and Future Teachers.” Texas

Section Mathematical Association of America, 90th Annual Meeting. Abilene,

TX. April 8-10, 2010.

“Correlating Math and Science: I Wonder Where We’ll Wander?” 18th International

Conference on College Teaching and Learning. April 2-5, 2007.

“Correlating Math and Science.” The 89th Annual Meeting of the Texas Section

of the MAA. Denton, TX. April 16-18, 2009.

“Cultural Mathematics Academic Activity.” Texas A&M International University’s

Mathematics, Science, Technology Teacher Preparation Academy Summer

2010 Science, Technology, Engineering, and Mathematics (STEM)

Conference. Laredo, TX. July 7, 2010.

Edgell, J. (2000). “A formative field study with second, third, forth grade Chinese-

American students on accessing geometry from measurement: tessellations,

Cube, simplex, construct perspective.” In *The Teaching and Learning of*

*Geometry:* Proceedings of the 9th International Congress of Mathematics

Education Conference held in Tokyo, Japan, 2000.

Fischer, J. (2006). “An analysis of existing professional development to support

Mathematics for English language learners (MELL) using the Texas State

University System’s MELL classroom practices framework.” Austin, TX:

Texas Education Agency.

Fischer, J. (2006). Mathematics for English language learners: A matrix of

professional development programs currently used in Texas (a Z-fold matrix

synopsis of research). Austin, TX: Texas Education Agency.

“Geometry & Measurement: Ideas for Uncoupling.” Conference on the Teaching of

Mathematics 6-12. Huntsville, TX. February 1-2, 2008.

“Implementing Standards through “Mix It Up.” 2009 School Science and

Mathematics Association Annual Convention. Reno, NV. October 22-24, 2009.

“Mathematics and Science Connections: Three Dimensional Figures and Minerals.”

Austin Area Council of Teachers of Mathematics. Austin, TX. October 11,

2008.

“Mixing Math and Science.” Conference for the Advancement of Mathematics

Teaching. Dallas, TX. July 9-11, 2008.

“Mix It Up: Correlating Grades 5-8 Science and Math TEKS.” Conference

for the Advancement of Science Teaching. Wichita Falls, TX. November

7-12, 2006.

“Mix It Up: Correlated Math and Science.” 2008. Hawaii International

Conference on Statistics, Mathematics and Related Fields. Honolulu, HI.

January 17-19, 2008.

“Mix It Up: Correlating Math and Science.” Conference for the Advancement of

Mathematics Teaching. San Antonio, TX. June 28-30, 2007.

“Mix It Up: Correlating Math and Science.” Conference on the Teaching of

Mathematics 6-12. Huntsville, TX. February 2-3. 2007.

“Mix It Up: Correlating Math and Science.” Rio Grande Valley Council of Teachers

of Mathematics Conference. Edinburg, TX. November 15, 2008.

“Mix It Up: Correlating Math and Science Lessons.” Austin Area Council of

Teachers of Mathematics Annual Fall Conference 2007. Austin, TX. October

13, 2007.

“Mix It Up: Correlated Science and Math (CSM).” Conference for the Advancement

of Science Teaching. Austin TX. November 15-17, 2007.

“Mix It Up Lesson Plans for the Classroom.” Conference for the Advancement of

Mathematics Teaching 2009. Houston, TX. July 15-17, 2009.

“Mix It Up: Math and Science Correlations,” 44th Annual Rio Grande Valley Council

of Teachers of Mathematics Conference. Edinburg, TX. November 21, 2009.

“Mix It Up: Math and Science Correlations.” Conference for the Advancement of

Mathematics Teaching 2010: Mathematics: A Recipe for Success. San Antonio,

TX. July 15-17, 2010.

“Mix It Up: Mixing Mathematics, Science, and Technology.” 20th Anniversary

International Conference on Technology in Collegiate Mathematics. San

Antonio, TX. March 6-9, 2008.

“Mix It Up: Uncoupling Probability/Statistics and Geometry/Measurement.”

88th Annual Meetings Texas Section of the Mathematics Association of

America. Stephenville, TX. April 3-5, 2008.

“Parallel Concepts in Math and Science.” Texas Section Mathematical Association

of America. Edinburg, TX. April 12-14, 2007.

“Preliminary Results of a Middle School Correlated Science/Math Pilot

Project.” National Association for Research in Science Teaching (NARST)

Annual International Conference 2007. New Orleans, LA. April 15-18, 2007.

“Probability & Statistics: Ideas for Uncoupling.” Conference on the Teaching of

Mathematics 6-12. Huntsville, TX. February 1-2, 2008.

“Reforming Developmental Math Cluster: In Pursuit of Quality Math Learning.”

2001 FIPSE Project Directors’ Meeting. San Diego, CA. November 15-18,

2001.

“Reforming Developmental Mathematics Cluster: In Pursuit of Quality

Mathematics Learning for Diverse Student Populations.” National Association

of Developmental Education. Orlando, FL. March 6-10, 2002.

“Reforming Development Populations.” 13th International Conference on College

Teaching and Learning. Jacksonville, FL. April 9-13, 2002.

“Understanding the Texas CCRS.” 6th Annual Mathematics for English Language

Learners Conference. San Marcos, Tx. July 9-10, 2010.

Warshauer, M. L. & Reinke, K. “Mathworks: Preparing young Hispanic students for

Algebra.” Presented at the National Association of Hispanic and Latino

Studies 11th Annual, held in Houston, Texas. February 2003.

**III. Books**

**Mathematics:**

Cuevas, G. & Driscoll, M.(Eds.) (1993). *Reaching All Students with Mathematics.*

Reston, VA: National Council of Teachers of Mathematics.