

TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Maureen Lemke Title: Senior Lecturer

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
MA	1988	Texas State University	Biology	An Analysis of Biology I Laboratory Investigations for Essential Elements and Concepts
BS	1980	McMurry University	Science Education	

C. University Experience

Position	University	Dates
Sr. Lecturer	Texas State University	Fall 2006-present
Visiting Instructor	Texas State University	1990-1992 various semesters
Assistant Instructor	Texas State University	1985-1987

D. Relevant Professional Experience

Position	Entity	Dates
Senior Lecturer,	Department of Biology, Texas State University	2006- present
Science Teacher (all levels Chemistry and Biology, IPC)	Navarro High School, Navarro ISD	1993-2006
7th & 8th Grade Science Lab Teacher	Goodnight Jr. High, San Marcos CISD	1989-1993
Science Teacher (Chemistry, Biology, Physical Science, Earth Science)	Flatonia High School, Flatonia ISD	1987-1989
Science Teacher (Chemistry, Biology, Physical Science)	Mason High School, Mason ISD	1981-1984

II. TEACHING

A. Teaching Honors and Awards:

Teacher of the Year 1997-1998; Seguin Area Chamber of Commerce

B. Courses Taught:

General Science 3310, General Science 3320 since 2007

Study Abroad in Cambodia (GS3310 and GS3320) Summer II 2014 and 2015

US1100 (Fall 2012, Fall 2013, Spring 2014, Fall 2014)

Biology 4402 (Fall 2009),

Supervised Student Teachers (4-8 Science and Math/Science; and 8-12 Life Science) (Spr 2010)

CI4355 (Summer 2010, Fall 2010)

C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):

D. Courses Prepared and Curriculum Development:

Chemistry and Nutrition Lessons for Inquiry Science (Royal University of Phnom Penh, Cambodia)

General Science 3310 and 3320 Lab Curriculum Development; including Lab Manuals for Students and Instructors

High School Curriculum Development for Chemistry, Biology, Physical Science, IPC, Science I

E. Funded External Teaching Grants and Contracts:

F. Submitted, but not Funded, External Teaching Grants and Contracts:

G. Funded Internal Teaching Grants and Contracts:

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

I. Other:

III. SCHOLARLY/CREATIVE

A. Works in Print

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books:

d. Chapters in Books:

e. Creative Books:

2. Articles

a. Refereed Journal Articles:

Westerlund, J., Radcliffe, R., Smith, D., Lemke, M., & West, S. (2011) Profiles of U.S. science teacher candidates: Safeguards amidst the gathering storm. International Journal of Environmental and Science Education, 6 (3): 213-227.

b. Non-refereed Articles:

3. Abstracts:

4. Reports:

5. Book Reviews:

Starr, Evers and Starr: Biology: Concepts and Applications , 9E. Cengage Publishing. December 2015

Marshak, Stephen: Earth Science, 1E. Norton Publishing. December 2015.

Starr. Biology Today and Tomorrow, 5E. Cengage Publishing. February 2014

Holt Chemistry Visualizing Matter (Holt, Reinhart and Winston, 1996)
Addison Wesley Chemistry (Addison Wesley, 1994)

6. Other:

Activities in Texas Environmental Guide (Holt Reinhart and Winston, 1991)
TAAS Instructional Tasks for Science Grade 8 (Charles A. Dana Center) one of a team of writers
Holt Biology texts (Holt, Reinhart and Winstong) activities, teach and reteach suggestions,
chapter and question reviews

B. Works not in Print

1. Papers Presented at Professional Meetings:

Presentations:(Within 3 years)

Dickinson, G., Galloway, H. , & Lemke, M. (April, 2013). Transforming Science Learning at a Cambodian University: Bridges and Barriers to Inquiry. Paper presented at the National Association for Research in Science Teaching conference, San Antonio, TX.

Puerto Rico

Dickinson, G., Ford, D., Galloway, H. C., & Lemke, M. (March, 2012).
TransformingCambodian university science from lecture to inquiry: Cultural Barriers andStudent Responses. Paper presented at the National Association for Research in Science Teaching conference, Indianapolis, IN.

2. Invited Talks, Lectures, Presentations:

Teaching Inquiry in Cambodia. Globalization in SE Asia Conference. Texas State University. San Marcos, Texas. April 22, 2015

Science Education Study Abroad in Cambodia for Elementary Pre-service Teachers. SW-ASTE Regional Meeting. Emporia , Kansas. October 4, 2014

Texas State Brown Bag Lecture Series, 2/6/13, Teaching in a Cambodian University and the Effect of Culture.

3. Consultancies:

Summer 2014

Svay Rieng University, Svay Rieng, Cambodia. Follow up meeting to workshop on Inquiry Based Learning in Summer 2013.

Summer 2013

5 week summer course at Royal University of Phnom Penh (RUPP) Cambodia to train professors (9 from RUPP and 8 from Svay Rieng University) in Inquiry Based Learning. Attendees wrote and taught an inquiry based lesson in their field, all of which will be compiled in a book.

Summer 2011

2 week summer course at Royal University of Phnom Penh (RUPP) Cambodia to train teachers and see student response to Introductory Science Course. Provided support in class preparation in mornings and assisted in class in afternoons.

Fall 2009-Summer 2012

Served on University team designing an Introductory Science Course for Royal University of Phnom Penh (RUPP) Cambodia (Kenneth Wilson)

Spring 2008-Fall 2013

Served as Master Teacher for NSF GK-12 Project Flowing Waters, PIs Westerlund, Bonner, Nowlin

Spring 2008

Advised Brandon Race (Concordia student) on project to determine if supplementary labs increase student performance. My two sections served as control and experimental groups.

Spring 2007

Mix It Up (Sandra West) Team taught lessons with math teacher in a GS 3320 class and compared collected data to that of a class without the correlated math lessons.

4. Workshops:

Affordable Inquiries from a 3rd World Country for Your Classroom. National Association for Research in Science Teaching conference, Boston, MA. April 2014

Inquiry Based Learning Workshop, Royal University of Phnom Penh, Cambodia, for Faculty from RUPP and Svay Rieng University. August 2013.

Curriculum and Technology Integrations for Teachers K-12 2001-2005;
Science Lab Safety and Chemical Waste Disposal, 1990-1992

5. Other:

C. Grants and Contracts

1. Funded External Grants and Contracts:

2. Submitted, but not Funded, External Grants and Contracts:

3. Funded Internal Grants and Contracts:

4. Submitted, but not Funded, Internal Grants and Contracts:

D. Fellowships, Awards, Honors:

IV. SERVICE

A. University:

Allies of Texas State Training. December 2, 2014.

Adjunct Faculty Committee, Liason for Biology Department, Fall 2013-current
Adjunct Faculty Committee, Web Master, Fall 2014-current

Fall 08

PAWS Preview

Moonlight Breakfast

B. Departmental:

Coordinate GS lecture and lab schedule;
Chemical Storage management of Supple 215 and Supple 222

C. Community:

Bowie Elementary School Classroom- GS Honors class assignment. (Spring 2015 3rd grade Biomes) (Spring 2014 5th grade Adaptations) (Spring 2013 2nd grade The Moon)(Spring 2012 2nd grade Edible Plant Parts)(Fall 2011 2nd grade Systems)

Bowie Elementary School After School Enrichment Program (Monday afternoons for 6 weeks.) Supervised 6 volunteer preservice teachers in running (Fall 2009 Bug Club (1st & 2nd grade) and Out of this World (3rd-5th grade) (Spring 2010) Students teaching changed to GS Honors class assignment. (Fall 2010 Wind, Air and Flight) (Spring 2011) (Fall 2011 Investigating Oceans) (Spring 2012 Wizardly Science) (Fall 2012 Crime Scene Investigation) (Spring 2013 Bridges and Towers)(Fall 2013 Recycled Racers)

Miller Junior High (May 3, 2013) Science Fair Judge

Navarro High School (Fall 2012): 3 hours Science Fair Judge

Navarro High School (Fall 2009): 3 hours Science Fair Judge

Navarro High School (Fall 2008): 3 hours Science Fair Judge

Navarro Elementary School (Fall 08): Taught weekly science lesson to 1st graders

Spring 2008

Navarro High School: 1 hour forms for Regional Science Fair.

Navarro High School (Fall 2007): 3 hours Science Fair Judge

Spring 2007

Navarro High School: 1 hour forms for Regional Science Fair.

Fall 2006

Navarro High School: 37 hours Robot Team; 3 hours Science Fair Judge;

D. Professional:

E. Organizations

1. Honorary:

2. Professional:

Southwest Association of Science Teacher Educators

National Science Teachers Association

Please note: For all entries, list most recent items first.