

Susan Zwiép

California State University, Long Beach
Science Education Department
1250 Bellflower Boulevard
Long Beach, CA 90840
562-985-5574
email: sgomezwp@csulb.edu

A. ACADEMIC PREPARATION ON HONORS EDUCATION

B.A., UNIVERSITY OF CALIFORNIA at BERKELEY, Berkeley CA, 1989-1993. Integrative Biology.

M.A. WHITTIER COLLEGE, Whittier, CA 1993-1995. Education.

Ph.D. UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles, CA 1999-2005.

Dissertation Title: Elementary Teachers' Understanding of students' Prior Science Knowledge: Implications for Practice and Teacher Education.

Advisor: William McComas

PROFESSIONAL MEETINGS & EDUCATIONAL WORKSHOPS ATTENDED

National Science Teachers Association annual meeting: 2002,2006

California Science Teachers Association annual meeting: 2000, 2001, 2002, 2003

National Association for Research in Science Teaching: 2002,2006

American Educational Research Association 2003

Association for Science Teacher Education: 2005, 2006

2005 California Science Teachers Association annual meeting(Palm Springs, CA) October 27-29.

2006 Association for the Education of Teachers of Science (Portland, OR) January 11-14.

2006 The Scholarly Writing Institute: CSULB Office of University Research. January 17-19.

2006 American Association of Colleges of Teacher Education (San Diego, CA). January 28-31.

2006 National Science Teachers Association (Anaheim, CA) April 6-9.

B. TEACHING ACTIVITIES EXPERIENCE

MIDDLE SCHOOL SCIENCE TEACHER 1993-2005

Suva Intermediate School, Bell Gardens CA.

Developed and implemented a standards based curriculum based on inquiry teaching methods and student centered activities for 6, 7, and 8th grade ELD students in an urban setting.

DISTRICT SCIENCE COACH 2002-2005

Montebello Unified School District, Montebello CA

Coordinated district-wide articulation and curriculum development for middle school science. Facilitated professional development of the district science leadership team.

LECTURER 2004-2005

California State University, Long Beach

Elementary Science Methods [EDEL 475] – methods for elementary teachers.

LECTURER 2005

University of Southern California

Co-taught Secondary Methods – methods for single subject science teachers.

ASSISTANT PROFESSOR 2005-present

California State University, Long Beach

- Elementary Science Methods [EDEL 475] – methods for elementary teachers.
- A Process Approach to Science [SCED 401] – inquiry based science course for prospective teachers. Students learn science content and processes while experiencing innovative curricula.
- University Intern Supervisor - Fall 2005

C. SCHOLARLY AND CREATIVE ACTIVITIES

PROFESSIONAL PUBLICATIONS & PRESENTATIONS

PUBLICATIONS – NON –REFEREED

(2000, May). Contributing Author, A Guide to Selecting and Implementing Instructional Materials.

SUBMITTED WORKS

Science Task Force member for Macmillian/McGraw Hill “Science” K-6 California Science Textbook. ELD strategies grades 3-6 and oversaw concept flow and order of content for 6th grade text.

WORK IN PROGRESS

Henriques, L., Crawford, B., Smith, L., Tillotson, J., Yore, L. & Zwiep, S. (2005-2006) *Selecting and Using Inquiry Approaches to Teach Science in Elementary, Middle, and Secondary Schools* – working title.

Gomez-Zwiep, S. & Straits, W. (2006) Pigs Can Fly...and Talk, and Build Houses, and Shop at the Mall...To address anthropomorphism in children’s literature, have your students do the analysis. *Science and Children*, in press.

PROFESSIONAL PRESENTATIONS

Zwiep, S. & McComas, W. (2005) Examining Pre-service Elementary Teachers’ Understanding of Students’ Science Misconceptions. Presentation at Association of Educators of Teachers of Science, Colorado Springs, CO.

Zwiep, S. (2004, June). Teaching Inquiry and the Nature of Science, Workshop presented at the

- Conference for Teachers of the Gifted, University of Southern California, Los Angeles, CA.
- Zwiep, S & Topps, J. (2003, October). The Teacher Learning Collaborative, Workshop presented at the Conference for California Science Teachers' Association Conference, Long Beach, CA.
- Zwiep, S. (2002, October). Experimental Design, Workshop presented at the Conference for the California Science Teachers' Association Conference, San Francisco, CA.
- Zwiep S. & Goddard, C. (2002) Conceptual Genetics for Middles School Students. National Science Teachers' Association Conference, San Diego, CA.
- Zwiep, S. (2001, October) Conceptual Genetics for Middles School Students. Workshop presented at the California Science Teachers' Association Conference, Palm Springs CA..
- Zwiep, S. (2001, August) Questioning Strategies and Assessment. Workshop presented at the New Teacher's Conference, Montebello Unified School District, Montebello, CA.
- Zwiep, S., Goddard C., & Quan A. (2000, November). Implementing the Standards for Conceptual Understanding. Workshop presented at the Science Standards Symposium #3 by the Los Angeles County Office of Education, Walnut CA.
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- Zwiep, S. & Quan A. (2005, October). Ask, Don't Tell. California Science Teachers Association, annual meeting, Palm Springs, CA.
- Zwiep, S. & Pasquier M (2005, October). Experimental Design with Your Students. California Science Teachers Association, annual meeting, Palm Springs, CA.
- Zwiep, S. (2005, October). An Examination of Elementary Teachers Understanding of Student Misconceptions. California Science Teachers Association, annual meeting, Palm Springs, CA.
- Zwiep, S. (2006, January) Elementary Teachers' Understanding of students' Prior Science Knowledge: Implications for Practice and Teacher Education. American Association of Colleges of Teacher Education annual meeting, San Diego, CA.

WORKSHOPS

- Zwiep, S. (2006). "Getting Your Students Thinking about Science". Staff Professional development day, Garden Grove School District, Garden Grove, CA. February 3.
- Zwiep, S. & Holmes, S. (2006). "Evolution: Things Change, Life Adapts. A Content Story for Grades 4-8 Teachers". K-12 Alliance Summer Institute, Montebello, CA. July 10 -14.
- Zwiep, S. & Pasquier, M (2006). "Matter Acts in Predictable Ways: A Content Story for 5th Grade Teachers". VIMS Summer Training, Vista, CA. July 17-21.

D. UNIVERSITY AND COMMUNITY SERVICE

DEPARTMENT, COLLEGE & UNIVERSITY SERVICE

475 Co-Course lead for the department.

401 working on revamping course.

PROFESSIONAL & COMMUNITY SERVICE

K-12 Alliance: STAFF DEVELOPER 1999-2005

Develop and facilitate professional development programs for science teachers K-12. Facilitate Teacher Learning Collaborative (TLC) teams, including small group lesson design and analysis of student work. Conduct Teacher as researcher projects annually.

K-12 Alliance Content specialist for 3 one-week integrated science summer inservice for K-12 teachers 7/11-7/15, 7/25-7/29, 8/8-8/12 2005.

Panel Member: Science, California Commission on Teacher Credentialing 2000-2003.

Developed subject matter requirements for future science teachers, based on current California and national standards. Approved test format and items for current CSTE single subject science exam. Developed program standards for universities granting California single subject science credentials.

Program Reviewer: Science, California Commission on Teacher Credentialing: 2003-present
Review program documents from universities seeking authorization to grant single subject science credentials. Submittals are measured against the California Commission on Teacher Credentialing program standards.

Program Reviewer: Science, California Commission on Teacher Credentialing 2005, 2006

WestEd: Center for Assessment and Evaluation of Student Learning (CAESL) developed benchmark science assessments. 2005, 2006.

Teacher Learning Collaborative Facilitator: K-12 Alliance: 2005, 2006

K-12 Alliance Staff Development Mid-Year Training January 2006.