

# Helpful Hints for Preparing an Effective *Curriculum Vitae*

SERA 2012

Sandra Nite

SERA Executive Council Graduate Student Representative

## Possible Headings

- Education
  - Professional Licenses
  - Educational Employment
  - Research Interests
  - Publications
    - Peer Reviewed; Non Peer Reviewed
    - Journal, Book Chapter
  - Conferences
    - International, National, Regional, State, Local
    - Invited; Proposals Submitted; Proposals Accepted
  - Grants and Funding
  - Honors, Awards, and Recognitions
  - Reviewing and Editing
    - Books, Journal Articles, Grants
  - Courses Taught
  - Service
  - Professional Affiliations
- Education & Employment**  
**Research**  
**Teaching**  
**Service**  
**Miscellaneous**

★ Education & Employment  
 Research  
 Teaching  
 Service  
 Miscellaneous

**EDUCATION**

- Ph.D. Mathematics Education, Texas A&M University, Doctoral Candidate  
 Prelim Qualification Passed December 2011
- M.M. Music Education, Texas State University, 1997
- M.S. Mathematics, Texas State University, 1977
- B.S. Mathematics, Texas State University, 1975

**PROFESSIONAL LICENSES**

- Texas Educator Certificate Master Mathematics Teacher, 2007- 2012
- Texas Lifetime Certificate Secondary Music, English, English Language Arts, 1979 – Present
- Texas Lifetime Certificate Secondary Mathematics, Computer Science, Biology, Chemistry, Composite Science, 1977 – Present
- USA Lifetime Level III Kodály Certification, 1996 - Present

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**EDUCATIONAL EMPLOYMENT**

**University**

- 2008 – Present Associate Director, Center for Technology-Mediated Learning in Mathematics, Department of Mathematics, College of Science, Texas A&M University, College Station, TX
- 2008 – Present Director of AP Institutes in Mathematics, Department of Mathematics, College of Science, Texas A&M University, College Station, TX
- 2005 – Present Senior Lecturer, Department of Mathematics, College of Science, Texas A&M University, College Station, TX
- 2009-2010 Course Coordinator and Week-in-Review Instructor for Math 131, Department of Mathematics, College of Science, Texas A&M University, College Station, TX
- 2008-2011 Mathematics Instructional Coaches, TEA Registered Service Provider, Department of Mathematics, College of Science, Texas A&M University, College Station, TX
- 1975-1977 Assistant Instructor, Department of Mathematics, College of Science, Texas State University, San Marcos, TX

**Community College**

- 1996-2005 Adjunct Mathematics/Music Instructor, Department of Mathematics/Music, Division of Mathematics and Science/Division of Fine Arts, Brazosport College, Lake Jackson, TX
- 1990-1996 Mathematics Instructor, Division of Mathematics and Science, Brazosport College, Lake Jackson, TX
- 1981-1990 Adjunct Mathematics Instructor, Brazosport College, Lake Jackson, TX

★ Education & Employment  
 Research  
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 Service  
 Miscellaneous

**Public Schools**

- 1998-2005 Mathematics Curriculum Coordinator & Math/Science Teacher, Sweeny High School, Sweeny Independent School District, Sweeny, TX
- 1996-1998 Mathematics/Science Teacher, Sweeny High School, Sweeny Independent School District, Sweeny, TX
- 1978-1983 Director, Computer Science Program, Sweeny High School, Sweeny Independent School District, Sweeny, TX
- 1977-1983 Mathematics/Science/Computer Science Teacher, Sweeny High School, Sweeny, TX

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**PUBLICATIONS**

- Nite, S. (2012, in press). Mathematical misconceptions. In C. F. Reynolds, K. J. Vannest, & E. Fletcher-Janzen (Eds.), *Encyclopedia of special education: A reference for the education of children, adolescents, and adults with disabilities and other exceptional individuals* (4th ed., pp. XXX-XXX). Hoboken, NJ: John Wiley and Sons.
- Nite, S. B. (2010). The net of a cone. *Focus on Content and Pedagogy*, 2(4).
- Nite, S. B. (2009). Using Polya's problem solving process in the mathematics classroom to prepare for high stakes testing. *Focus on Content and Pedagogy*, 1(3).
- Nite, S. B. (2009). Mathematics instructional coaching – What does it mean? *Focus on Content and Pedagogy*, 1(7).
- Legg, J., Bell, R., Davis, M., & Nite, S. (2001). *Mathematical models with applications*. W.H. Freeman, New York, NY.

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### CONFERENCES

#### National/International

- Nite, S. B. (2011, November). Predicting and improving success in engineering calculus. *School Science and Mathematics Association Convention*: Colorado Springs, Colorado.
- October 2011. Conference Board of the Mathematical Sciences Forum on *Teaching Teachers in the Era of the Common Core*, Reston, VA.
- Heyen, K., Hollowell, E., Kever, E., Mullins, D., Murphy, K., Taylor, D., Wayne, S., Easterling, J., Nite, S., Capero, M. M., & Capero, R. (2011, August). Problem posing around the Czech Republic. Poster presentation at the International Symposium on Elementary Mathematics Teaching. Charles University: Prague, Czech Republic.
- Nite, S. B. (2011, August). Teaching through problem solving. Poster presentation at the International Symposium on Elementary Mathematics Teaching. Charles University: Prague, Czech Republic.
- October 2010. Conference Board of the Mathematical Sciences Forum on *Content-Based Professional Development for Teachers of Mathematics*, Reston, VA.
- Nite, S. B. (2009). The legacy of Charlie Brown. Organization of Educational Historians: Chicago, Illinois.
- October 2009. Conference Board of the Mathematical Sciences Forum on the *Content and Assessment of School Mathematics*, Reston, VA.
- October 2008. Conference Board of the Mathematical Sciences *National Math Panel Forum*, Washington, D.C.
- Nite, S. B. (2003). The Real MMA Classroom. National Council of Teachers of Mathematics, San Antonio, TX.

#### Regional

- Younes, R., Nite, S. B., & Rangel, A. (2012, February). The effects of sustained professional development in STEM project based learning: Results from one Texas school district. *Southwest Educational Research Association Conference*: New Orleans, LA.
- Nite, S. B. (2011, February). Engineering calculus success at Texas A&M University. *Southwest Education Research Association*: San Antonio, Texas.

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#### State

- Nite, S. B. (2012, February). Introducing the logistic function. Sam Houston State University Conference on Mathematics Teaching 6-12. Sam Houston State University: Huntsville, Texas.
- Nite, S. B. (2011, February). Cognitive demand in precalculus. Sam Houston State University Conference on Mathematics Teaching 6-12. Sam Houston State University: Huntsville, Texas.
- Nite, S. B. & Bleyer, C. (2011, February). Advanced quantitative reasoning: A fourth year math course for Texas students. Texas Association of Supervisors of Mathematics: Austin, Texas.
- Nite, S. B. & Nite, S. G. (2009). Using Polya's problem solving process for TAKS. Conference for the Advancement of Mathematics Teaching: Houston, Texas.
- Willey, V. & Nite, S. B. (2006). Introduction to Vectors. Conference for the Advancement of Mathematics Teaching: Houston, Texas.
- Nite, S. B. (2002). Arithmetic to algebra: Similar processes. Conference for the Advancement of Mathematics Teaching: Dallas, Texas.
- Nite, S. B. (2002). Mathematics and music: Geometric transformations. Conference for the Advancement of Mathematics Teaching: Dallas, Texas.
- Nite, S. B. (2000). Mathematics and music. Conference for the Advancement of Mathematics Teaching: Houston, Texas.
- Nite, S. B. (1999). Strategies for success in Algebra I. Conference for the Advancement of Mathematics Teaching: Dallas, Texas.
- Nite, S. B. (1998). A sound approach to the keyboard. Texas Music Educators Association (TMEA) Convention: San Antonio, Texas.
- Yarborough, H. & Nite, S. B. (1998). A discovery approach. Conference for the Advancement of Mathematics Teaching: San Antonio, Texas.
- Yarborough, H. & Nite, S. B. (1997). A discovery approach. Conference for the Advancement of Mathematics Teaching: Houston, Texas.

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**GRANTS AND FUNDING**

- 2012-2013 *Covertng Algebraic Thinking and Measurement*, Texas Higher Education Coordinating Board, \$98,000, PI.
- 2011-2012 *Mathematics All Around Us: Gas and Oil Applications*, Halliburton, \$26,700, PI.
- 2009-2012 *Retention Through Remediation: Enhancing Calculus Success*, National Science Foundation, \$1.15 million (future funding \$829,450 for 2013-2014 contingent upon progress), Co-PI.
- 2011-2012 Teacher Quality Grant, Funded by Texas Higher Education Coordinating Board, \$101,576, Co-PI.
- 2009-2011 Contract for Texas Education Agency Mathematics Instructional Coaches Service Provider, West Sabine ISD, \$18,500, Co-PI & Director.
- 2009-2011 Contract for Texas Education Agency Mathematics Instructional Coaches Service Provider, Gladewater ISD, \$18,150, Co-PI.
- 2009-2011 Teacher Quality Grant, Funded by Texas Higher Education Coordinating Board, \$190,000, Co-PI.
- 2008-2010 Contract for Texas Education Agency Mathematics Instructional Coaches Service Provider, El Paso ISD, \$82,000, Co-PI.
- 2008-2009 Teacher Quality Grant, Funded by Texas Higher Education Coordinating Board, \$82,000, Co-PI.
- 2002-2004 Ninth Grade Success Initiative Grant, Funded by Texas Education Agency, PI and Director, \$85,000.
- 1999 AP Calculus Grant, Funded by Texas Education Agency, PI and Director, \$3000.
- 1995 Computer Grant, Funded by Brazosport College, PI and Director, \$2000.

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**AWARDS, LISTINGS, AND HONORS**

- 2010 Texas State University Representative for Texas A&M University Academic Convocation.
- 2010 Marquis Who's Who in America.
- 2009 First Place Session Winner, Texas A&M University Student Research Week presentation, 2009.
- 2009 Second Place Teaching, Learning, and Culture Department, Texas A&M University Student Research Week presentation.
- 2009 Kappa Delta K.
- 2009 Pinnacle Honor Society.
- 2009 Marquis Who's Who in America.
- 2008 Outstanding Service Award, Department of Mathematics, Texas A&M University, 2008.
- 2007 Outstanding Educator, College of Education & Human Development, Texas A&M University, 2007.
- 2005 Panel for Secondary Teaching, Mathematics Career Fair, Texas A&M University.
- 2002-2004 Fellow, Texas Academy of Mathematics Educational Leaders (TAMEL).
- 1995 Piper Professor Nominee to the state Minnie Piper Foundation, Brazosport College, Freeport, Texas.
- Who's Who Among America's Teachers, 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> editions.

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**EDITORSHIP, REVIEWER**

- 2012 Reviewer, Deans Award Papers, Southwest Educational Research Association.
- 2011 Reviewer, *The High School Journal*.
- 2011 Reviewer, Deans Award Papers, Southwest Educational Research Association.
- 2011 Reviewer, Conference Proposals, Southwest Educational Research Association.
- 2009 Contributor, Billstein, B, Libeskind, L., & Lott, J. *Insider's Guide for Problem Solving Approach to Mathematics for Elementary School Teachers*, Addison-Wesley Publishing.
- 2006 Grant Reader for Texas Education Agency T-STEM Academies Grants, Austin, Texas.
- 2002 Grant Reader for Texas Education Agency Ninth Grade Success Initiative, Austin, Texas.
- 2009-present Associate Editor, *Focus on Mathematics Pedagogy and Content*.

**Book Reviewer**

- Modeling with Mathematics: A Bridge to Algebra 2*, 2<sup>nd</sup> edition, W. H. Freeman, in press.
- Mathematics for Elementary Teachers: A Contemporary Approach*, Wiley Publishing, 2006.
- Modeling with Mathematics: A Bridge to Algebra 2*, W.H. Freeman, 2005.

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**COURSES DEVELOPED/TAUGHT**

**University**

- Math 131 Mathematical Concepts – Calculus
- Math 141 Business Mathematics I
- Math 150 Functions, Trigonometry, and Linear Systems
- Math 365 Structure of Mathematics I
- Math 366 Structure of Mathematics II
- Math 403 Mathematics and Technology
- Math 689\* Special Topics – Teaching Mathematics at the Collegiate Level
- Math 1311 Fundamentals of Mathematics
- Math 1315 College Algebra

**Community College**

- |                                       |  |
|---------------------------------------|--|
| Math 0504 Fundamentals of Mathematics | Math 1324 Math for Business and Economics I  |
| Math 0506 Beginning Algebra           | Math 1325 Math for Business and Economics II |
| Math 0508 Intermediate Algebra        | Math 1342 Probability and Statistics         |
| Math 1314 College Algebra             | Math 2312 Precalculus                        |
| Math 1316 Trigonometry                | Music 1301 Introduction to Music, Piano      |
| Math 1342 Statistics                  |  |

**High School**

- Physical Science, Algebra I, Geometry, Algebra II, Mathematics of Money, Computer Math\*, Computer Science\*, Mathematical Models with Applications\*, SAT/ACT Prep Course\*, Advanced Mathematical Application\*, Pre-AP Precalculus, AP Calculus, AP Physics

**SERVICE**

2011-2012	Advisory Board, Developmental Education Demonstration Project Evaluation, Texas A&M University, Texas Higher Education Coordinating Board.
2010-2011	Lecture Seminar Series Co-Coordinator, Department of Mathematics, College of Science, Texas A&M University, College Station, Texas.
2010	Advisory Committee for the Center of the Lecturer Case Committee, Department of Mathematics, College of Science, Texas A&M University, College Station, Texas.
2008-present	Brazos Valley P-16 Council, Bryan, Texas.
2008	Discussion Leader, Lecture Meeting with External Review Committee, Department of Mathematics, College of Science, Texas A&M University, College Station, Texas.
2008-2011	Mathematics Program Representative, TLAC Graduate Student Association, Department of Teaching, Learning, and Culture, College of Education and Human Development, Texas A&M University, College Station, Texas.
2009	TLAC Representative, Graduate Student Council, Texas A&M University.
2008	Legislative Committee, Graduate Student Council, Texas A&M University.
2004-2008	Committee for Core Success in Mathematics, Department of Mathematics, College of Science, Texas A&M University, College Station, Texas.
2008-2009	Mathematics Awareness Committee, Department of Mathematics, College of Science, Texas A&M University, College Station, Texas.
2007-2009	Mathematics 141 Referral Committee, Department of Mathematics, College of Science, Texas A&M University, College Station, Texas.
2007	Assistant Chairman, Board Committee, National Council of Teachers of Mathematics (NCTM) Regional Conference, Houston, Texas.
2005-2006	Mentor for Mathematics Majors (10), Department of Mathematics, College of Science, Texas A&M University, College Station, Texas.
2003-2005	Treasurer, Parent Teacher Organization, Sweeny High School, Sweeny Independent School District, Sweeny, Texas.
1998-2005	Site Based Management Committee, Sweeny High School, Sweeny Independent School District, Sweeny, Texas.
1994-2002	Facilities Committee, Columbia-Brazoria Independent School District, West Columbia, Texas.
1999-2001	Superintendent's Advisory Committee, Columbia-Brazoria Independent School District, West Columbia, Texas.
1988-2001	Site Based Management Committee, Columbia High School, Columbia-Brazoria Independent School District, West Columbia, Texas.
1991	Treasurer, Broad Programs Committee, Columbia-Brazoria Independent School District, West Columbia, Texas.

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**CONSULTING**

2011-2012	TextBook Co-Writer, <i>Modeling with Mathematics: A Bridge to Algebra 2</i> , 2nd edition, W. H. Freeman Publishers, New York, NY.
2010	Inservice Provider, Using Manipulatives in the Elementary Classroom, West Sabine Independent School District, Pinedale, Texas.
2007	Inservice, <i>Kodály Method and Mathematics Integration</i> , Angleton Independent School District, Angleton, Texas.
2006-2007	Inservice (online through conferencing software): <i>Teaching Algebra 1</i> , Mathis Independent School District, Mathis, Texas and Stafford Municipal School District, Stafford, Texas.
2003	Inservice Provider, Using the CBR/CBL in the Mathematics Classroom, Snook Independent School District, Snook, Texas.
2003	External Evaluator, Teacher Quality Grant, Texas A&M University, College Station, Texas.
2001-2005	Consultant and Teacher Trainer for <i>Mathematical Models with Applications</i> , W. H. Freeman Publishers, New York, NY.
2000-2005	Contract Writer for Geometry and Algebra 2, Region IV Education Service Center, Houston, Texas.
2000-2005	Contract Writer for <i>Mathematical Models with Applications</i> , <i>Mathematical Models with Applications</i> , COMAP, Boston, MA.
2001	Inservice Provider, Algebra I Curriculum at Sweeny High School, Region VI Education Service Center, Huntsville, Texas.
2000-2001	Workshop (5 days), TEXTEAM Algebra II/Precalculus Institute, Sweeny Independent School District, Sweeny, Texas.
1999-2000	Workshop (5 days), TEXTEAM Mathematical Models for Secondary Teachers Institute, Sweeny Independent School District, Sweeny, Texas.
1998-2005	Inservice Provider, Teaching Secondary Mathematics, Sweeny Independent School District, Sweeny, Texas.
1995-2003	Workshop, Using Finale to Notate a Song Collection, Kodály Graduate Program, Texas State University, San Marcos, Texas.
1997	Inservice Provider, Using Equation Editor for Mathematics, Sweeny Independent School District, Sweeny, Texas.
1994-1997	Inservice Provider, Computers for Preschool Teachers, Ms. Mizzy's Day Care, West Columbia, Texas.
1994-1997	Inservice Provider, Music for Preschool Teachers, Ms. Mizzy's Day Care, West Columbia, Texas.
1996	Inservice Provider, Music for Elementary Teacher, Grades K-6, Guzzo Independent School District, Guzzo, Texas.
1994	Inservice Provider, Introduction to Finale, Angleton Independent School District, Angleton, Texas.

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**PROFESSIONAL ASSOCIATIONS**

- 2011-2012 Graduate Student Representative, Executive Council, Southwest Educational Research Association (SERA).
- 2010-2011 TAMU Graduate Student Representative, Graduate Student Council, Southwest Educational Research Association (SERA).
- 2009-2012 Mathematics Education Representative, Teaching, Learning, and Culture (TLAC) Graduate Student Association.
- 2009 TLAC Representative, Graduate Student Council (GSC), Texas A&M University.
- 2011-present Member, School Science and Mathematics Association (SSMA).
- 2003-present Member, National Council of Teachers of Mathematics (NCTM).
- 2000-present Member, Texas Association of Supervisors of Mathematics (TASM).
- 2010-present Member, National Council of Supervisors of Mathematics (NCSM).
- 2011-present Member, Texas Computer Education Association (TCEA).

**Thanks to Dr. Robert M. Capraro,  
*My Wonderful Chair,*  
for teaching me about organizing  
a vita effectively**