

# Terry M. Tomasek

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Elon University  
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## EDUCATION

University of North Carolina at Greensboro  
PhD, Curriculum & Teaching-Science Education emphasis, December 2006  
Teaching Assistant, Graduate Research Assistant, and Professional Development School Team  
Leader – Fall 2003 – May 2006

Marshall University, Huntington, West Virginia  
M.A., Teaching, May 2000  
Graduate Research Assistant in Education – Winter 1998 through Summer 1999

Marshall University, Huntington, West Virginia  
M.S., Biology, May 2001  
Major emphasis – Aquatic Ecology  
Teaching Assistant in Biology – Fall 1999

University of South Florida, Tampa, Florida  
B.A., Zoology, August 1980

## EDUCATION WORK EXPERIENCE

Assistant Professor, Elon University

- Elementary Math & Science Methods Instructor (8 semester hour course: Fall 2006-present)
- Classroom Management Instructor (Fall 2006-present)
- Student Teaching Seminar Instructor (Fall 2006-2007)
- Master of Education Instructor (Summer, 2007, 2008)

Teaching and Research Assistant, University of North Carolina at Greensboro  
(August 2003 – May 2006)

- Elementary Education Assistant Team Leader (2003)
- Elementary Education Team Leader & Seminar Instructor (2004 to 2006)
- Secondary Student Teacher Supervision – 1 semester
- Elementary Science Methods Instructor – 3 semesters
- Educational Psychology Instructor – 1 semester

Science Teacher, John R. Kernodle, Jr. Middle School (August 2001 – June 2003)

- 7<sup>th</sup> grade Classroom Teacher & Science Olympiad Coach

GEAR UP Academic Preparation Coordinator, Ohio University Southern (June 2000 – August 2001)

- Designed and implemented academic enrichment activities for students 7 – 12
- Created and administrated after-school tutoring program
- Designed and directed Lawrence County Nature Mapping Program
- Planned and implemented curriculum reform in science, math and technology
- Provided professional development to teachers 7 - 12

Science Teacher, The King's Academy (1985 – 1987)

- 7<sup>th</sup> grade, 9<sup>th</sup> grade & Advanced Placement Biology

Science Teacher, Tennessee Temple Academy (1984 – 1985)

- 10<sup>th</sup> grade & 11<sup>th</sup> grade

Math & Science Teacher, Summit Christian School (1981 – 1983)

- 10<sup>th</sup> grade & 11<sup>th</sup> grade

Math Teacher, Palm Beach County Schools (1981)

- 8<sup>th</sup> grade

## PUBLICATIONS

Tomasek, T. & Matthews, C.E. (in process). Secondary School Students Involvement with Field Ecology. [I expect to send this article for review within the next two months to the *Research in Science Education* journal]. Tomasek, T., & Matthews, C. (2008). Using reptile and amphibian activities in your classroom. *Science Activities*. 45 (1).

Tomasek, T. (in press). Keeping up with the tools of the trade. *The Green Teacher*.

Tomasek, T. (in press). Critical reading: Using reading prompts to promote active engagement with text. *The International Journal of Teaching and Learning in Higher Education*.

Tomasek, T., & Matthews, C. (Winter, 2008). Using reptile and amphibian activities in the classroom. *Science Activities*, 44(4), p. 123-128.

Tomasek, T. & Matthews, C. (Winter, 2008). Toads give you warts - Not! *Science Activities* 44(4), p. 129-132.

Tomasek, T., Matthews, C. & Hall, J. (2005). What's slithering around on your school grounds: Transforming student awareness of reptile and amphibian diversity. *American Biology Teacher*, 67 (7), 419-426.

Bickel, B., Hardman-Eagle, T., & Tomasek, T. (2000). Top-Down, Routinized Reform in Low-Income Rural Schools: NSF's Appalachian Rural Systemic Initiative. *Educational Policy Analysis Archives*, 8 (12), <http://epaa.asu.edu/epaa/v8n12.html>.

## PRESENTATIONS

- Tomasek, T., Matthews, C.E. & Allen, M. (2009, January). *High School Students' Experiences in Field Ecology*. Presented at the Hawaii International Conference on Education, Honolulu, Hawaii.
- Tomasek, T., Matthews, C.E., Somers, A., & Webb, A. (2008, November). *Herpetological Conservation Education for High School Students*. Presented at the Annual Meeting of the North Carolina Environmental Educators, Oak Island, North Carolina.
- Tomasek, T. (2008, November). *Informal Science Education Panel Discussion*. Presented at the Annual Meeting of the North Carolina Environmental Educators, Oak Island, North Carolina.
- Matthews, C.E., Tomasek, T., Allen, M., Haun-Frank, J., & Webb, A. (2008, October). *Herpetological Conservation Education for High School Students*. Presented at the National Science Teachers Association Regional Conference, Charlotte, North Carolina.
- Cook, H., Matthews, C., Tomasek, T., Allen, M., Haun-Frank, J., Hildebrand, D., & Webb, A. (2008, October). *Birds of a Feather: Science Methods and Pre-Service Teacher Education Panel Discussion*. Presented at the National Science Teachers Association Regional Conference, Charlotte, North Carolina.
- Burge, K., Matthews, C., Thompson, S. & Tomasek, T. (2008, October). *Transforming Student Awareness of Reptile and Amphibian Diversity*. Presented at the National Science Teachers Association Regional Conference, Charlotte, North Carolina.
- Tomasek, T., & Hall, J., & Barfield, G. (2008, October). *Amphibians and Reptiles of the Southeast*. Presented at the National Science Teachers Association Regional Conference, Charlotte, North Carolina.
- Tomasek, T., & Matthews, C.E. (2008, September). *Ecology as Enacted by High School Students*. Presented at the Annual North Carolina Teacher Education Forum (NC Association of Colleges and Teacher Educators).
- Tomasek, T. (2008, July). *Science and Nature Exploration*. Presented at the Annual Meeting of the North Carolina Baptist Church Weekday Education Association.
- Bryd, S., Howard, J., Mihans, R., & Tomasek, T. (2007, August). *Tools for transformative learning*. Presented at the Elon Teaching and Learning Conference, Elon, North Carolina.
- Bryd, S., Howard, J., Mihans, R., & Tomasek, T. (2007, September). *Tools for transformative learning*. Presented at the Annual Meeting of the North Carolina Teacher Education Forum (NC Association of Colleges and Teacher Educators), Raleigh, North Carolina.
- Tomasek, T. (2007, July). *Getting Dirty = Learning*. Presented at the Annual Meeting of the North Carolina Baptist Church Weekday Education Association, Pleasant Garden, North Carolina.
- Tomasek, T., and Matthews, C. (2007, March). *Surveying and monitoring reptiles and amphibians with elementary, middle and secondary school students*. Presented at the Annual Meeting of the North Carolina Partners for Amphibian and Reptile Conservation, Browns Summit, North Carolina.
- Tomasek, T. (2006, November). *Using Birds as a Means of Introducing Scientific Inquiry*. Paper presented at the Annual Meeting of the North Carolina Science Teachers Association, Greensboro, North Carolina.
- Tomasek, T. (2006, March). *Student Engagement in Citizen Science*. Poster presentation at the UNCG School of Education Research Symposium, Greensboro, North Carolina.

- Tomasek, T., & Carlone, H. (2005, April). *Improving Elementary Science Teaching Through Japanese Lesson Study*. Paper presented by Tomasek at the Annual Meeting of the National Association of Research in Science Teaching, Dallas, Texas.
- Tomasek, T., & Matthews, C. (2005, April). *Transforming Student Awareness of Reptile and Amphibian Diversity*. Paper presented by Tomasek at the Annual Meeting of the National Science Teachers Association, Dallas, Texas.
- Tomasek, T., & Matthews, C., (2004, December). *Transforming Student Awareness of Reptile and Amphibian Diversity*. Paper presented at the Regional Meeting of the National Science Teachers Association Regional Meeting, Richmond, Virginia, December 2004.
- Matthews, C., Tomasek, T., & Hall, J. (2004, November). *Slithering Across Your School Grounds with Amphibians and Reptiles*. Paper presented at the Annual Meeting of the North Carolina Science Teachers Association, Greensboro, North Carolina.
- Matthews, C., & Tomasek, T. (2004, April). *Students, Teachers and Herps, Oh My!*. Paper presented at the Annual Meeting of the National Science Teachers Association, Atlanta, Georgia.
- Matthews, C., Tomasek, T., & PDS Team Members (2003, November). *Mucking Around in Miniponds*. Paper presented at the Annual Meeting of the North Carolina Science Teachers Association, Greensboro, North Carolina.
- Tomasek, T. (2000, October). *Site specific impact study of the effects of a valley fill to the benthic macroinvertebrate community*. Paper presented at the Annual Meeting of the Ohio River Basin Consortium for Research and Education.
- Tomasek, T. (2001 and 2000). *Site specific impact study of valley fill construction to benthic macroinvertebrate assemblages downstream*. Presented at the Annual Meeting of the West Virginia Academy of Sciences. (First Place Award for presentation)
- Tomasek, T. (2001 and 2000). *Site specific impact study of valley fill construction to benthic macroinvertebrate assemblages downstream*. Presented at the Annual Meeting of the Association of Southeastern Biologist.
- Tomasek, T. (1999, April). Preliminary results on the long-term impacts of multiple seam contour mining and valley fill construction on water quality and benthic macroinvertebrates in a West Virginia stream. Presented at the Annual Meeting of the West Virginia Academy of Sciences.

## **PROFESSIONAL AFFILIATIONS**

National Science Teachers Association  
 National Council for Teachers of Mathematics  
 National Association of Research in Science Teaching  
 North Carolina Science Teachers Association  
 North Carolina Council of Teachers of Mathematics  
 North Carolina Partners for Amphibian and Reptile Conservation

## **PROFESSIONAL SERVICE**

Textbook reviewer for Corwin Press (December, 2007), *How to differentiate middle school lessons*.  
Reviewer for National Association of Research in Science Teaching (Fall, 2005)

Professional Development provided in K-12 Public School:

- Gibsonville Elementary (2008)
- Sedalia Elementary (2008)
- Lindley Elementary (2004)
- General Greene School of Science and Technology (2004)
- New Vision School of Math, Science and Technology (2005)

Guilford and Alamance County Schools, Science Fair Judge (2003-present)

- Alexander Wilson Elementary (2007)
- Elon Elementary (2006)
- Lindley Elementary (2004, 2005)
- General Greene School of Science and Technology (2004)
- Pilot Elementary (2004)
- Elon Elementary (2006)

Central Region North Carolina Council of Teachers of Mathematics, Math Fair Judge (2005)

Cummings High School Junior and Senior Project Judge (2007 and 2005)

Presentations to K-12 Student Groups

- Orange County High School Students (2007)
- Lindley Elementary (2004)
- General Greene School of Science and Technology (2004, 2005 twice)
- New Vision School of Math, Science and Technology (2005)
- Director of Summer Science Camp for 3<sup>rd</sup>, 4<sup>th</sup> & 5<sup>th</sup> grade (2005)

Volunteer at Camp Chestnut Ridge Environmental Center (2003-present)

## **UNIVERSITY SERVICE**

2007 – 2008 Academic Year

College of Education Dean Search Committee

Elementary Education Committee

Master of Education Committee

Graduate Council

Interdisciplinary Writing Committee

Student Teaching Task Force

Curriculum Resource Center Task Force

Teacher Induction Sub-committee

Elon Fellows Sub-committee

### 2006 – 2007 Academic Year

Elementary Education Committee  
Master of Education Committee  
Student Teaching Task Force  
Curriculum Resource Center Task Force  
Teacher Induction Sub-committee  
Elon Fellows Sub-committee

## **AWARDS**

Nominated by UNCG Department of Curriculum and Instruction for the UNCG Outstanding Dissertation Award (2006)  
Outstanding Graduate Student Teaching Award, School of Education, University of North Carolina at Greensboro, May 2005.  
Guilford County Excellence in Middle School Science Teaching Award, 2003

## **GRANTS**

Elon CATL Teaching and Learning Grant, *HOBOS: Teacher Candidate Technology Integration with Math and Science Instruction*, October 2006 (\$1,300)  
University-School Teacher Education Partnerships Grant, *Improving Elementary Science Teaching Through Japanese Lesson Study*, September 2004 (\$5,000).  
University-School Teacher Education Partnerships Grant, *Improving Elementary Science Teaching Through Japanese Lesson Study*, September 2003 (\$5,000 in collaboration with Heidi Carlone).  
University-School Teacher Education Partnerships Grant, *Frogs & Turtles & Snakes, Oh My!*, September 2003 (\$5,000 in collaboration with Catherine Matthews).  
Marshall University Jarrett-Masztal Graduate Research Grant – Summer 2000 (\$500)  
Penn Coal Company Research Grant – Summer 1999 (\$10,000)

## **CERTIFICATIONS**

North Carolina Teaching License  
Elementary Education K-6  
Middle Science 6 – 9  
Biology 9-12