

Nancy N. Heilbronner

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EDUCATION

University of Connecticut, Storrs, Connecticut

Ph.D. Department of Educational Psychology (Gifted Education)

May, 2009

Areas of Concentration: Gifted Education and Talent Development; Science Curriculum

Dissertation Title: Pathways in STEM: Factors Affecting the Retention and Attrition of
Talented Men and Women From the STEM Pipeline

University of South Florida, Tampa, Florida

M.A., Gifted Education

May, 2004, Summa Cum Laude

Thesis: The Effect of Gender Grouping On Locus of Control and Science Variables
In Middle School Gifted Girls

University of Virginia, Charlottesville, Virginia

B.S., Elementary Education, Cum Laude

May, 1979

PROFESSIONAL CERTIFICATIONS

Florida Professional Certificate, Elementary Education, May 1995

Florida Professional Endorsement, Gifted Education, May 1996

Florida Professional Certificate, Middle School Science Education, May 2000

EXPERIENCE

Western Connecticut University, Department of Education and Educational Psychology, August 2009 to
present

Assistant Professor, Instructional Leadership

Instructor, ED800: Foundations of Leadership

Instructor, ED822: Talent Development

Instructor, ED823: Models of Creative Thinking

Instructor, ED826: Applications of Multivariate Analyses

Instructor, ED802: Instructional Technology

Instructor, ED860: Applications of Statistics in Research

Program Coordinator, 092 Certificate for Intermediate Administration and Supervision (Connecticut)

University of Connecticut, Neag Center for Gifted Education and Talent Development, Storrs, Connecticut, August, 2006 – August, 2009

Instructor, EPSY 5710: Introduction to Gifted Education and Talent Development (Fall, 2008 to Present)

Instructor, EDCI 223: Teaching Science in the Elementary School (Fall, 2007)

Teaching Assistant, EPSY 5710: Introduction to Gifted Education and Talent Development (Summer, 2007)

Research Assistant, Department of Educational Psychology. Assisted with the implementation of a National Research Center for Gifted/Talented Javits-funded grant, *What Works in Gifted Education*.

Daesung Global Network Co., Ltd., Seoul, Korea, 2008 to present

Consultant. Developed 25 training modules and accompanying video and assessments for professional development on the topic of gifted and talented curriculum.

Renzulli Learning Systems, Storrs, Connecticut, August, 2006 to present

Consultant. Developed and presented training to classroom teachers and administrators at a variety of school districts nationwide.

Stratford School District, Stratford, Connecticut, October, 2008-January, 2009

Consultant. Conducted parent and teacher focus groups as part of a district-wide evaluation of the Stratford School District Advanced Learning Program.

Martin County School District, Martin County, Florida, August 1996 to May, 2006

Gifted Science Teacher, Hidden Oaks Middle School, August, 2002 to May, 2006

- Taught middle school gifted science, covering all strands – earth and space, life science and physical science.
- Coached Science Bowl, coming in fourth in state competition.
- Coached Christopher Columbus student grant-writing team, achieving semi-finals status at the national level.
- Conducted “Science Safaris” – special enrichment weekend field trips for students and parents.

Gifted Elementary Teacher, Felix A. Williams Elementary School, August, 1998 – May, 2002

- Taught a full-time, self-contained gifted classroom, grades 4-5.
- Projects included Shakespeare plays, teacher-designed webquests, simulations, academic games, counseling activities, invention fairs, three day field trips, and a variety of other enrichment activities.
- Wrote and won five local grants for implementation of creative curriculum in the classroom.

- Coached Linguistics team, which came in second for district.

Gifted Elementary Teacher, Itinerant, August, 1996-May, 1998. Served the needs of gifted children at five schools throughout the district, teaching levels K-5.

Indian River Community College, Martin County, Florida, August 1993-December, 1994. Designed and taught college computer courses, including Word, EXCEL, and LOTUS.

AccuSystems, Inc., Washington, D.C. May, 1980-June, 1990

- Co-founder of company.
- Provided a variety of project management oriented information management services to the civilian government and defense industry.
- Wrote and won a number of Defense grants. Designed, implemented and operated fully automated cost performance report analysis system for \$1.2 billion Marine Corps amphibious vehicle manufacturing program.

PROFESSIONAL AFFILIATIONS

American Educational Research Association, 2007 to present
 Florida Association for Gifted Children, 2003-2007
 National Association of Gifted Children, 2000 to present
 National Science Teachers Association, 2007 to present

PUBLICATIONS

Heilbronner, N. (accepted). *Let's be scientists! An authentic guide to learning in the science classroom*. Waco, TX: Prufrock Press.

Heilbronner, N. (pending). The STEM pathway for women: What has changed? *Gifted Child Quarterly*.

Heilbronner, N. (2011, October). Why your child's teacher needs to understand gifted education. Connecticut Association for the Gifted e-Newsletter. Retrieved from <http://www.graphicmail.com/new/viewnewsletter2.aspx?SiteID=15376&SID=0&NewsletterID=726600>

Heilbronner, N. (2011). Stepping onto the STEM pathway: What has changed? Factors affecting talented students' declarations of STEM majors in college. *Journal for the Education of the Gifted (34)*, pp. 876-899.

Renzulli, J. S., Sands, M. M., & Heilbronner, N. N. (2011). Operation Houndstooth: A Positive Perspective On Developing Social Intelligence. In Ziegler, A. & Perleth, C. (Eds.). *Excellence. Essays in Honour of Kurt Heller*. Hamburg, Germany: LIT Verlag, 217 – 244.

Heilbronner, N., Munoz, J., Heilbronner, S., & Heilbronner, J. (2011). *Ten things NOT to say to your gifted child*. Scottsdale, AZ: Great Potential Press.

Renzulli, J. S., Heilbronner, N., & Siegle, D. (2010). *Think data*. Storrs-Mansfield, CT: Creative Learning Press.

- Heilbronner, N., Connell, E., Reis, S.M., & Dobyms, S. M. (2010). The stepping stone phenomenon: Exploring the role of positive attrition at an early college entrance program. *Journal of Advanced Academics, 21*, 392-425.
- O'Shea, M., Heilbronner, N., & Reis, S. (2010). Characteristics of mathematically talented women who achieve at the highest level on the quantitative section of the Scholastic Achievement Test. *Journal of Advanced Academics, 21*, 233-271.
- Reis, S. M., & Heilbronner, N. (2010). Six hundred years of combined wisdom: The experiences, insights, and reflections of 14 women who have changed gifted education. In Elizabeth Romey (Ed.) *Finding John Galt: People, Politics, and Practice in Gifted Education*. Charlotte, NC: Information Age.
- Heilbronner, N., Girasoli, A. J., & Golden, K. (2010, Spring). Tesla time: Using web-based instructional design to increase science achievement. National Association for Gifted Children: *Teaching for High Potential*.
- Heilbronner, N., Savino, J., Gubbins, E. J., Vahidi, S., Desisto, S., Foreman, J. (2009, November). *NRC/GT Instrument Bank*, Volume II. Storrs-Mansfield, CT: The National Research Center on the Gifted and Talented.
- Payne, D., & Heilbronner, N. (2009). Mentoring talented science students: Knowing the options. *Gifted Education International, 25*, 259-269.
- Heilbronner, N. (2009). *Pathways in STEM: Factors affecting the retention and attrition of talented men and women from the STEM pathway*. Unpublished Dissertation. University of Connecticut, Storrs, CT.
- Heilbronner, N. (2009). [Review of the book *Systems and Models for Developing Programs for the Gifted and Talented (2nd Edition)*]. Retrieved from <http://www.amazon.com/Systems-Models-Developing-Programs-Talented/dp/1931280118>.
- Heilbronner, N. (2009). The Davidson Institute. In *The Encyclopedia of Giftedness, Creativity, and Talent* (Vol. 1, pp. 238-240). Thousand Oaks, CA: Sage Publications.
- Heilbronner, N. (2009, Spring). Jumpstarting Jill: Strategies to nurture talented girls in your science classroom. *Gifted Child Today, 46-54*.
- Heilbronner, N. (2008, June). Perils of parenting: Top 10 things NOT to say to your gifted child. *Parenting for High Potential, 9-14*.
- Heilbronner, N. (2008). Science safaris: Developing bold academic explorers outside the science classroom. *Science Scope, 31(7)*, 23-27.
- Heilbronner, N., & Reis, S. (2007, April). *Helping mathematically talented girls achieve at the highest level*. National Association for Gifted Children-Middle Matters, 5(2), 3-7.
- Heilbronner, N. (2006-2008). Money matters column, *News and Views*.

EVALUATIONS

Gubbins, E. J., Heilbronner, N., & Paul, K. (2010). Evaluation of the New Jersey Greenbrook Township Talented and Gifted Program. May, 2010 – October, 2010.

Paul, K., Gubbins, E. J., Heilbronner, N., & Sullo, R. (2009). Evaluation of the Stratford School District Gifted and Talented Program. November, 2008.

PRESENTATIONS

Heilbronner, N. (2011, November). *Five challenges in science*. Presented at the National Association for Gifted Children, New Orleans, Louisiana.

Heilbronner, N. & Cherry, S. (2011, November). *Entering the ecosystem: Thoughtful integration of iPad apps into your gifted classroom*. Presented at the National Association for Gifted Children, New Orleans, Louisiana.

Heilbronner, N. (2011, October). *Ten things NOT to say to gifted children*. Presented at the New England Conference on the Gifted and Talented, Burlington, Vermont.

Heilbronner, N. (2011, October). *Think data: Think instruments. Getting kids involved in hands-on investigations*. Presented at the New England Conference on the Gifted and Talented, Burlington, Vermont.

Heilbronner, N. (2011, October). *Five challenges in science: Why we don't know what we think we know*. Presented at the New England Conference on the Gifted and Talented, Burlington, Vermont.

Heilbronner, N. (2011, September). *Ten things NOT to say to your gifted child: One family's perspective*. Reading presented during WCSU's Banned Book Week, Danbury, Connecticut.

Heilbronner, N. (2011, September). *Using inquiry in your classroom*. Presented to the Springhill Academy, Springfield, Massachusetts.

Heilbronner, N. (2011, August). *Understanding the gifted and talented*. Presented to the Westport School District, Westport Connecticut.

Heilbronner, N. (2011, August). *Using guided inquiry as a differentiation strategy in your language, mathematics, science, or social studies classroom*. Presented to the Fairfield School District, Fairfield, Connecticut.

Heilbronner, N. (2011, July). *Five challenges to make you think in science*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.

Heilbronner, N. (2011, July). *Think data: Think instruments*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.

Heilbronner, N. (2011, July). *Ten things NOT to say to your gifted child*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.

Heilbronner, N. (2011, July). *Think data, Think instruments*. Presented at University of Connecticut's Three Summers Master's Program, Storrs-Mansfield, Connecticut.

Baum, S., & Heilbronner, N. (2011, May). Talent development. A Course/Workshop Presented at the International School in Manila, Philippines.

- Heilbronner, N. (2011, April). Characteristics of mathematically talented women who achieve at the highest level on the SAT-M. Presented at the CSU Faculty Research Conference, Danbury, Connecticut.
- Heilbronner, N. (2011, March). *Ice, ice baby!* Presented to the Connecticut Association for Gifted Children's Mind's in Motion. Westport, Connecticut.
- Heilbronner, N. (2011, March and April). *Definitely differentiate*. Presented to the Stratford School District, Fairfield, Connecticut.
- Heilbronner, N. (2011, February). *ThinkData, Think instruments: Getting kids involved in hands-on investigations*. Presented at the University of Connecticut, Storrs-Mansfield, Connecticut.
- Heilbronner, N. (2011, January). *Definitely differentiate*. Presented to the Fairfield School District, Fairfield, Connecticut.
- Heilbronner, N. (2011, January). *Differentiating in the Unified Arts*. Presented to the Fairfield School District, Fairfield, Connecticut.
- Heilbronner, N. (2011, January). *Definitely differentiate: Differentiating in mathematics and science*. Presented to the Fairfield School District, Fairfield, Connecticut.
- Heilbronner, N. (2010, November). *Differentiating by interest and learning style*. Presented to the Fairfield School District, Fairfield, Connecticut.
- Heilbronner, N. (2010, November). *Differentiating by readiness*. Presented to the Fairfield School District, Fairfield, Connecticut.
- Heilbronner, N. (2010, November). *Definitely differentiate: Using practical strategies to meet the needs of learners in your classroom*. Presented to the Stratford School District, Stratford, Connecticut.
- Heilbronner, N. (2010, October). *Working with wikis*. Presented to the Western Connecticut State University Faculty (CELT Grant Presentation), Danbury, Connecticut.
- Heilbronner, N. (2010, October). *Wiki wizardry*. Presented at The New England Conference on the Gifted and Talented, Hartford, Connecticut.
- Heilbronner, N. (2010, July). *Definitely differentiate*. Presented to the Fairfield School District, Fairfield, Connecticut.
- Heilbronner, N. (2010, July). *Inquiry-based scientific classroom challenges for elementary-school teachers*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.
- Heilbronner, N. (2010, July). *Inquiry-based scientific classroom challenges for middle-school teachers*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.
- Heilbronner, N. (2010, July). *Think-data, think-instruments*. Presented at the 2010 Confratute, University of Connecticut, Storrs-Mansfield, Connecticut.
- Heilbronner, N. (2010, April). *A workshop on differentiating for inquiry*. Presented to the Wappinger School District, Wappinger, New York.
- Heilbronner, N. (2010, April). *Factors in STEM affecting the retention and attrition of talented men and women from science*. Presented at the Connecticut State University Research Conference, New Britain, Connecticut.

- Heilbronner, N. (2009, July). *Igniting scientific inquiry through imagination*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.
- Heilbronner, N. (2009, July). *The how-to of how-to books: A key to promoting investigative learning*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.
- Heilbronner, N. (2009, May). *Parenting the gifted child...It's about choices*. Presented to the Wakefield School District, Wakefield, Massachusetts.
- Heilbronner, N. (2009, March). *Great Googling: Developing exciting science units using Google Groups*. Presented at the National Science Teachers' Association Conference, Boston, Massachusetts.
- Heilbronner, N. (2009, February). *Top 10 things NOT to say to your gifted child*. Presented at the Connecticut Association for the Gifted's Minds in Motion, Hebron, Connecticut.
- Heilbronner, N. (2009, January). *Smart teachers, smart kids*. Presented to Waterford School District, Waterford, Connecticut.
- Heilbronner, N. (2008, November). *Smart teachers, smart kids: Instructional strategies to reach capable learners*. Presented to Academy Hill School, Springfield, Massachusetts.
- Heilbronner, N. (2008, November). *Top 10 things NOT to say to your gifted students*. Presented to Academy Hill School, Springfield, Massachusetts.
- Heilbronner, N. (2008 November). *Jumpstarting Jack and Jill: How parents can use gender-sensitive strategies to develop bold academic explorers*. Presented to the Wantagh School District's Parent's Association, Wantagh, New York.
- Heilbronner, N. (2008, November). *What is this thing called "gifted?"* Presented to the Bristol School District's Parent's Association, Bristol, Connecticut.
- Heilbronner, N. (2008, October). *Why won't Jane compute?* Poster session presented at the National Association for Gifted Children, Tampa, Florida.
- Heilbronner, N., Connell, E., Reis, S. M., & Dobyms, S. M. (2008, October). Factors for success: The ideal candidate for a residential early-entrance-to-college program. Presented at the National Association for Gifted Children, Tampa, Florida.
- Savino, J., & Heilbronner, N. (2008, October). Gaining ground with Google: Developing exciting curricular units using Google Groups. Presented at the National Association for Gifted Children, Tampa, Florida.
- Heilbronner, N., & Payne, D. (2008, October). *Why the next Einstein is flipping burgers, and what to do about it*. Presented at the National Association for Gifted Children, Tampa, Florida.
- Heilbronner, N. (2008, October). *What is this thing called "gifted?"* Presented to Massapequa School District, Massapequa, New York.
- Heilbronner, N. (2008, October). *Definitely differentiate! Easing the workload of differentiation through the use of Renzulli Learning Systems and other technology*. Presented at the New England Conference on Gifted and Talented, Mansfield, Massachusetts.
- Heilbronner, N. (2008, October). *Igniting imagination through inquiry: Developing investigable questions (and more)*. Presented to the Young World Day School, Mahwah, New Jersey.

- Heilbronner, N. (2008, October). *Traits of talented students and how to spot them*. Presented to the Young World Day School, Mahwah, New Jersey.
- Heilbronner, N. (2008, October). *What is this thing called "gifted?"* Presented to the Waterford School District, Waterford, Connecticut.
- Heilbronner, N. (2008, August). *Differentiating webquests*. Presented at Harlem's Project Critical, New York, New York.
- Heilbronner, N. (2008, August). *Identification of high potential students*. Presented at Harlem's Project Critical, New York, New York.
- Heilbronner, N. (2008, July). *Peer coaching for compacting and differentiation*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.
- Heilbronner, N. (2008, July). *Why Jane won't compute*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.
- Heilbronner, N. (2008, July). *Igniting imagination through inquiry*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.
- Connell, E., Heilbronner, N., Dobyms, S., & Reis, S. M. (2008, May). *Early college entrance and student fit: An exploration of reasons for attrition and retention in an early college acceleration program*. Poster session presented at the Belin Blank Research Center's Research on Acceleration Conference, University of Iowa, Iowa City, Iowa.
- Heilbronner, N. (2008, March). *Top 10 things NOT to say to your gifted children*. Presented to the Wantagh Parent-Teacher Association (PTA), Wantagh, New York.
- Heilbronner, N. (2007, December). *Effective curricular models for gifted and talented students*. Presented to the Waterford Curriculum Committee, Waterford, Connecticut.
- Heilbronner, N. (2007, November). *Utilizing technology and Problem-Based Learning to motivate science students*. Presented at the National Association for Gifted Children, Minneapolis, Minnesota.
- Heilbronner, N. (2007, November). *Jumpstarting Jack and Jill: Gender strategies in the gifted classroom*. Presented at the National Association for Gifted Children, Minneapolis, Minnesota.
- Heilbronner, N. (2007, November). *Antidotes to science fair: Options and opportunities for talented students other than science fair*. Poster session presented at the National Association for Gifted Children, Minneapolis, Minnesota.
- Heilbronner, N. (2007, November). *Tesla time: A web-based science curriculum*. Poster session presented at the National Association for Gifted Children, Minneapolis, Minnesota.
- Heilbronner, N. (2007, August). *Identifying gifted and talented students*. Presented to the Waterbury School District, Waterbury, Connecticut.
- Heilbronner, N. (2007, July). *Great science for budding scientists*. Presented at University of Connecticut's Confratute, Storrs-Mansfield, Connecticut.
- Heilbronner, N. (2007, January). *Jumpstarting Jack and Jill*. Presented at the Accelerated Schools National Conference, Memphis, Tennessee.

Heilbronner, N. (2006 October). *Parenting the gifted child: It's about choices*. Keynote presented at the New Haven Gifted Association, New Haven, Connecticut.

Heilbronner, N. (2005). *Using same-sex grouping to improve science achievement in your classroom*. Presented at the National Association for Gifted Children, Louisville, Kentucky.

Heilbronner, N. (2004, October). Conducting quality action research. Presented at the University of South Florida Master's Candidates Forum, Tampa, Florida.

SERVICE

Western Connecticut State University, Author of SPA Accreditation Report for NCATE – 092 Administrative Certification Program (Building and District Levels)

Western Connecticut State University, Institutional Review Board (August, 2012—Present)

Western Connecticut State University, NEASC Self-study Committee: Standard 4 Graduate Studies (December, 2011—Present)

Western Connecticut State University, School of Professional Studies Dean Search Committee (October, 2011—Present)

Western Connecticut State University, Academic Leave Committee (August, 2011—Present)

Western Connecticut State University, Student Life Committee (August, 2011—Present)

Western Connecticut State University, Media and Library Services Policy Committee (August, 2011—Present); Chair (August, 2012 – Present)

Western Connecticut State University Research and Development Committee (August, 2010—Present)

Western Connecticut State University Faculty Senate (August, 2009—Present); Recording Secretary (August, 2010—Present)

Research and Evaluation Committee, National Association for Gifted Children (NAGC) (2006-2008)

Proposal Reviewer, Connecticut Math Science Partnership Grants (2008)

Reviewer, *Gifted Child Today* (2011-Present)

Reviewer, *Journal of Adolescence* (2010-Present)

Reviewer, *Journal for Advanced Academics* (2009-Present)

PROFESSIONAL ORGANIZATIONS

American Psychological Association (APA)

Connecticut Association for Gifted Children (CAG)

National Association for Gifted Children (NAGC)

Phi Delta Kappa (PDK)

GRANTS

Connecticut State University Research Grant - \$3,900 to study student and teacher engagement in the science domain, April, 2010.

Western Connecticut State University Educational CELT ClassTech Grant - \$2,000 to incorporate technology into a creative classroom project, January, 2010.

Belin-Blank Grant for Research on Academic Acceleration - \$9,950 to study differences between students in an early college entrance program leading to attrition or retention, April, 2007.

Martin County Education Foundation, - Several \$500-\$1000 Educational Classroom Improvement Grants, 1998-2004.

AWARDS

Ten Things NOT to Say to Your Gifted Child: One Family's Perspective. Awarded the Mom's Choice Award for Honoring Excellence (Gold Level).

REFERENCES

Joseph Renzulli, Ph.D.
Director of the National Research Center on the Gifted and Talented
University of Connecticut
2131 Hillside Road, U-3007
Storrs, CT 06269-3007
860-486-5279

Sally M. Reis, Ph.D.
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