

Rebecca L. Mann, Ph.D.
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Education

- Ph.D. The University of Connecticut, Storrs, CT. Educational Psychology.
Major Areas: Gifted and Talented Education and Special Education
Related Areas: Elementary Mathematics Education
Dissertation: The identification of gifted students with spatial strengths: An exploratory study. ProQuest Document ID 3180228
- M.A.T. The Colorado College, Colorado Springs, CO: Elementary Teaching
- B.A. Albion College, Albion, MI: Home Economics

Academic Honors and Awards

- Outstanding Faculty Teaching Award, Purdue College of Education 2010
- Outstanding Faculty Teaching Award, College of Education Department of Educational Studies 2010
- Outstanding Faculty Engagement Award, College of Education Department of Educational Studies 2009
- Doctoral Student Award, National Association for Gifted Children 2005
- Educator of the Gifted of the Year Award, State of New Hampshire 2001

Honorary Societies

- Pi Lambda Theta, International Honor Society for Education (University of Connecticut)
- Kappa Delta Pi, International Honor Society for Education (The Colorado College)

Teaching

University Positions

- Education Department Faculty, Hope College 2013-Present
- Adjunct Faculty, Gifted Education, University of Connecticut 2014-Present
- Clinical Associate Professor, Purdue University 2010-2013
- Clinical Assistant Professor, Purdue University 2005-2010
- Co-Director, Gifted Education Resource Institute, Purdue 2007-2011
- Associate Director, Gifted Education Resource Institute, Purdue 2005-2007
- Adjunct Professor, Gifted Education, University of Connecticut 2001-2005
- Research Associate, National Research Center on the Gifted & Talented 2002-2005

K-8 Positions

Gifted and Talented Coordinator and Resource Teacher, Bow, NH	1997-2001
Gifted and Talented Resource Teacher, Colorado Springs, CO	1991-1997
Elementary Classroom Teacher, Hollis, NH and Colorado Springs, CO	1986-1991

University Teaching Experience

Student Evaluation: Mean Instructor Rating of 4.9 on a 5.0 scale for 32 courses

- Brain and Cognition
- Integrating STEM Disciplines for Gifted and Talented Learners
- Elementary Curriculum and Methods
- Creating and Managing Learning Environments
- The Inclusive Classroom
- Gifted, Creative, and Talented Children
- Social and Affective Development of Gifted Students
- Curriculum and Program Development in Gifted Education
- Teaching Mathematics in the Elementary Classroom
- Practicum in Gifted Education
- Introduction to Gifted Education & Talent Development

Additional Responsibilities

Administration of PreK-12 Talent Development Programs: Supervision of graduate assistants, instructors, course assistants, and counselors. Coordination of services from residential life, conferences, and other campus entities. Income from these cost-recovery program exceeded \$450,000 annually.

Supervision of graduate teaching assistants: Lecture and recitation teaching assistants and doctoral candidates teaching online education courses.

Diversity Initiative for Gifted Students: secure funding to provide urban and rural gifted students from low socioeconomic backgrounds an opportunity to participate in the K-12 enrichment programs.

Coordinated High Ability License Addition program: Work with adjunct professors, set-up online courses, and gather data for the NCATE accreditation process.

NCATE Accreditation: Revision of assessments and rubrics based on SPA report

Professional Organizations

National Association for Gifted Children	Life Member
Michigan Association for Gifted Children	2013-2016
Board Member	2016

Publications

Books and Book Chapters

- Mann, E.L. & Mann, R.L. (2016). *Engineering Design and Gifted Pedagogy*. In B. MacFarland (Ed.) *Engineering Instruction for High-Ability Students*. (33-44) Prufrock Press, Waco, TX.
- Mann, R. L. (2009). Teachers of the gifted. In B. Kerr (Ed.) *Encyclopedia of giftedness, creativity, and talent*. Thousand Oaks, CA: Sage Publications.
- Gentry, M. & Mann, R. L. (2008). *Total school cluster grouping and differentiation: A comprehensive, research-based plan for raising student achievement and improving teacher practices*. Mansfield Center, CT: Creative Learning Press.

Journal Articles

- Mann, R.L., (2014). Patterns of Response: A Case Study of Elementary Students with Spatial Strengths. *Roeper Review*, 36: 60 - 69.
- Mann, R.L., (2013). Got LEGO bricks? Children with spatial strengths. *Parenting for High Potential*, 3, 4 – 6.
- Mann, E. L., Mann, R. L., Strutz, M., Duncan, D., & Yoon, S. Y. (2011). Integrating engineering into K-6 curriculum: Developing talent in the STEM disciplines. *Journal of Advanced Academics*, 22: 659-658.
- Siegle, D., Moore, M., Mann, R. L., & Wilson, H. E. (2010). Factors that influence in-service and preservice teachers' nominations of students for gifted and talented programs. *Journal for the Education of the Gifted*, 33, 337-360.
- Peters, S. J., & Mann, R. L. (2009). Getting ahead: Current secondary and post-secondary acceleration options for high ability students in Indiana. *Journal of Advanced Academics*, 20, 630-657.
- Gentry, M., Peters, S., & Mann, R. L. (2007). Differences between general and talented students' perceptions of their career and technical education experiences compared to their traditional high school experiences. *Journal of Advanced Academics*, 18, 372-401.
- Mann, R. L. (2006). Effective teaching strategies for learning disabled/gifted students with spatial strengths. *Journal of Secondary Gifted Education* 17, 112-120.
- Mann, R. L. (2005). Gifted students with spatial strengths and sequential weaknesses: An overlooked and under-identified population. *Roeper Review* 27, 91-96.

Mann, R. L. (2004). Balancing act: The truth behind the equals sign. *Teaching Children Mathematics*. 11, 65-69. Mann, R. L. (2001). Eye to eye: Connecting with gifted visual spatial learners. *Gifted Child Today*. 24, 54-57.

Papers presented at national and international conferences

Mann, R. L. (August, 2010). Spatial Strengths in Children: Overlooked Potential Engineers, Mathematicians, and Scientists. P-12 Engineering and Design Education Research Summit. Seaside, OR.

Mann, R.L (2009, August). Gifted spatial learners: Under-identified and underserved. World Council for Gifted and Talented Children, Vancouver, BC, Canada.

Mann, R. L. (2009, August). Mathematical perceptions: Teacher efficacy, attitudes, and performance. World Council for Gifted and Talented Children, Vancouver, BC, Canada.

Mann, R. L., Chae, Y., Chae, S., (2008, April). Gifted spatial learners: Identification and learning preferences. American Educational Research Association Annual Meeting, San Diego, CA.

Gentry, M., Peters, S., & Mann, R. L. (2007, April). Career and technical education, talent development, and general high schools: A qualitative inquiry concerning student experiences. American Educational Research Association Annual Meeting, Chicago, IL.

Mann, R. L. (2006, May). Gifted Students with spatial strengths: Patterns of response. The Eighth Biennial Henry B. & Jocelyn Wallace National Research Symposium on Talent Development, University of Iowa.

Mann, R. L. (2006, April). The Identification of gifted students with spatial strengths: An exploratory study. 2006 Annual Convention of the American Educational Research Association, San Francisco, CA.

Siegle, D., Mann, R. L., & Moore, M. M. (2006, April). *Factors that influence teacher nominations of students for gifted and talented programs*. 2006 Annual Convention of the American Educational Research Association, San Francisco, CA.

Mann, R. L. (2011, November). *Future engineers, mathematicians, and scientists: Nurturing children with spatial strengths*. Paper presented at the National Association for Gifted Children's Annual Conference, New Orleans LA.

Mann, E. L. & Mann, R. L. (2011, April). *Mathematical perceptions: A pilot validation of preservice teacher attitudes, efficacy, and performance*. Paper presented at American Educational Research Association's Annual Conference, New Orleans, LA.

Professional Development

National Presentations

- Mann, R. L. (2010, November). *Children with spatial strengths: Overlooked potential engineers, mathematicians, and scientists*. Fifty-seventh annual conference of the National Association for Gifted Children. Atlanta, GA.
- Mann, R. L. (2009, November). *Children with spatial strengths: Overlooked potential engineers, mathematicians, and scientists*. Fifty-sixth annual conference of the National Association for Gifted Children. St. Louis, MO.
- Mann, R. L. (2009, November). *Twice-exceptional learners with spatial strengths: Strategies for strength-based instruction*. Fifty-sixth annual conference of the National Association for Gifted Children. St. Louis, MO.
- Strutz, M., Mann, E. L. Mann, R. L. (2009, November). *Engineering concepts revealed: Introducing high-ability students to engineering in all content areas*. Fifty-sixth annual conference of the National Association for Gifted Children. St. Louis, MO.
- Mann, R. L. (2008, November). *The future of STEM: Strategies for spatial learners*. Fifty-fifth annual conference of the National Association for Gifted Children. Tampa, FL.
- Strutz, M., Mann E. L., Mann, R. (2008, November). *Engineering: Teachable moments*. Fifty-fifth annual conference of the National Association for Gifted Children. Tampa, FL.
- Mann, R. L. & Peters, S. (2008 November). *Dual enrollment and International Baccalaureate: Expanding effective programming options for secondary gifted students*. Fifty-fifth annual conference of the National Association for Gifted Children. Tampa, FL.
- Mann, R. L. (2007, November). *The spatial child: Strategies for strength-based instruction*. Fifty-fourth annual conference of the National Association for Gifted Children. Minneapolis, MN.
- Mann, E. L., Mann, R. L., & Strutz, M. (2007, November). *Engineering is child's play*. Fifty-fourth annual conference of the National Association for Gifted Children. Minneapolis, MN.
- Jeffrey, T., Mann, R. L., Gates, J., & Gentry, M. (2007, November). *Engineering design and Socratic dialogue in the elementary and middle classroom*. Fifty-fourth annual conference of the National Association for Gifted Children. Minneapolis, MN.
- Mann, R. L. (2006, November). *And in conclusion: A look at strengths*. Exceptional and gifted dyslexics: demographics, profiles, causes and education symposium at the fifty-seventh annual conference of the International Dyslexia Association, Indianapolis, IN.

- Mann, R. L. (2006, November). *Eye to eye: Connecting with gifted visual spatial learners*. Fifty-third annual conference of the National Association for Gifted Children. Charlotte, NC.
- Bangel, N., Mann, R. L., & Gentry, M. (2006, November). *Infusing gifted education into a general education course*. Fifty-third annual conference of the National Association for Gifted Children. Charlotte, NC.
- Bangel, N. & Mann, R. L. (2006, November). *The Purdue Three-Stage Model*. Fifty-third annual conference of the National Association for Gifted Children. Charlotte, NC.
- Siegle, D., Moore, M. M., & Mann, R. L. (2006, November). *Factors that influence teacher nomination of students for gifted and talented programs*. Fifty-third annual conference of the National Association for Gifted Children. Charlotte, NC.
- Mann, R. L. (2005, November). *Eye to eye: Connecting with gifted visual spatial learners*. Fifty-second annual conference of the National Association for Gifted Children. Louisville, KY.
- Moon, S. M., Mann, R. L., Bangel N., & Gilbert, B. (2005, November). *Using the Purdue Three-Stage Model to develop talent in science and technology*. Fifty-second annual conference of the National Association for Gifted Children. Louisville, KY.
- McCoach, D. E., Siegle, D., & Mann, R. L. (2005, November). *Underachievement or ADHD?* Fifty-second annual conference of the National Association for Gifted Children. Louisville, KY.
- Mann, R. L. (2004, November). *Off the rim: Developing creativity in children*. Fifty-first annual conference of the National Association for Gifted Children, Salt Lake City, UT.
- Mann, R.L. (2004, October). *Eye to eye: Connecting with gifted visual spatial learners*. Tenth annual New England Conference on the Gifted and Talented, Mystic, CT.
- Mann, R. L. (2004, October). *Bright vs. gifted: Characteristics of high ability learners*. Tenth annual New England Conference on the Gifted and Talented, Mystic, CT.
- Mann, R.L. (2004, October). *Twice exceptional: Gifted and learning disabled*, Tenth annual New England Conference on the Gifted and Talented, Mystic, CT.
- Mann, R.L. (2004, April). *Eye to eye: Connecting with gifted visual-spatial learners*. Association for the Education of Gifted Underachieving Students, Albany, NY.

- Mann, R.L. (2004, April). Lines? What lines? Strategies for spatial learners. Association for the Education of Gifted Underachieving Students, Albany, NY.
- Mann, R.L. (2003, November). Off the rim: Developing creativity in children. Fiftieth annual conference of the National Association for Gifted Children, Indianapolis, IN.
- Mann, R.L. (2003, November). Eye to eye: Connecting with gifted visual spatial learners. Fiftieth annual conference of the National Association for Gifted Children, Indianapolis, IN.

Regional and State Presentations

- Mann, R.L. (2016). "Bright vs. Gifted: Characteristics of Giftedness." Fire Up! Student Teachers' Conference, Aquinas College, Grand Rapids, MI.
- Mann, R.L. (2016). "Quick and Easy Differentiation Strategies for High Ability Learners." Fire Up! Student Teachers' Conference, Aquinas College, Grand Rapids, MI.
- Mann, R.L. (2016). "Jigsaw, R.A.F.T., Cubing, and More!" Fire Up! Student Teachers' Conference, Aquinas College, Grand Rapids, MI.
- Mann, R.L. (2016). "Bright vs. Gifted: Characteristics of Giftedness." The Cooperating Teachers' Conference, Grand Valley State University, Grand Rapids, MI.
- Mann, R.L. (2016). "Quick and Easy Differentiation Strategies for High Ability Learners." The Cooperating Teachers' Conference, Grand Valley State University, Grand Rapids, MI.
- Mann, R.L. (2016). "Jigsaw, R.A.F.T., Cubing, and More!" The Cooperating Teachers' Conference, Grand Valley State University, Grand Rapids, MI.
- Mann, R.L. (2016). "Designed learning for the gifted." Ottawa Area Intermediate School District Annual Gifted Conference, Holland, MI.
- Mann, R.L. (2016). "Characteristics of Giftedness." Fire Up! Spring Student Teachers' Conference, Grand Valley State University, Allendale, MI.
- Mann, R.L. (2016). "Differentiate the Lazy Way." Fire Up! Spring Student Teachers' Conference, Grand Valley State University, Allendale, MI.
- Mann, R.L. (2016). "Jigsaw, R.A.F.T., Cubing and More!" Fire Up! Spring Student Teachers' Conference, Grand Valley State University, Allendale, MI.
- Mann, R. L. (2015). "Teacher impact on child's learning." Ottawa Area Intermediate School District Annual Gifted Affiliate, Holland, MI.

- Mann, R. L. (2011). "Recognizing and nurturing gifted visual spatial learners". Keynote speech at the Nebraska Association for the Gifted Annual Conference, Omaha, NE.
- Mann, R. L. (2011). "Effective praise: Enhancing the cognitive development of gifted children". Parent presentation at the Nebraska Association for the Gifted Annual Conference, Omaha, NE.
- Mann, R. L. (2011). "Effective strategies for spatial learners". Breakout session at the Nebraska Association for the Gifted Annual Conference, Omaha, NE.
- Mann, R. L. (2011). "Differentiate the lazy way". Breakout session at the Nebraska Association for the Gifted Annual Conference, Omaha, NE.
- Mann, R. L. (2011). "A primer on assignments tiered by readiness". Breakout session at the Nebraska Association for the Gifted Annual Conference, Omaha, NE.
- Mann, R. L. (2009, April). *Recognizing and nurturing high-ability adolescents*. Indiana Department of Education, Indianapolis, IN.
- Mann, R. L. (2009, April). *Math: Differentiation strategies that work*. Indiana Department of Education, Indianapolis, IN.
- Mann, R. L. (2009, February). *Different not more: A how to guide for elementary teachers*. Indiana Association for the Gifted Conference, Indianapolis, IN.
- Mann, R. L. (2009, February). *Differentiation at the secondary level*. Indiana Association for the Gifted Conference, Indianapolis, IN.
- Mann, R. L. (2008, December). *Creating optimal learning experiences for students through effective classroom management*. Northwest Indiana Education Service Center, Highland, IN.
- Mann, R. L. (2008, December). *An administrator's guide to differentiation*. Wabash Valley Education Service Center, Lafayette, IN.
- Mann, R. L. (2008, June). *Meeting the needs of visual spatial learners*. The Fourth annual DISCOVER! Institute, West Lafayette, IN.
- Strutz, M. & Mann, R. L. (2008, June). *Engineering: Teachable Moments*. The Fourth annual DISCOVER! Institute, West Lafayette, IN.
- Mann, R. L. (2008, April). *Differentiating instruction in the elementary classroom*. Wabash Valley Education Service Center, Lafayette, IN.
- Mann, R. L. (2008, April). *Effective strategies for twice exceptional students with nonverbal strengths*. Ohio Association for Gifted Children Teacher Academy, Columbus, OH.
- Mann, R. L. (2008, March). *Meeting student needs through differentiation and cluster grouping*. Southern Indiana Education Service Center, Jasper, IN.

- Mann, R. L. (2008, February). *Meeting student needs through differentiation and cluster grouping*. Northwest Indiana Education Service Center, Merrillville, IN.
- Mann, R. L. (2008, February). *Got LEGOs? Instructional and organizational strategies for high ability visual spatial learners*. Department of Education/Indiana Association for the Gifted conference, Indianapolis, IN.
- Mann, R. L. & Gates, J. C. (2007, June). *Engineering in the elementary classroom*. Third annual DISCOVER! Institute, West Lafayette, IN.
- Mann, R. L. (2007, June). *The spatial child*. Third annual DISCOVER! Institute, West Lafayette, IN.
- Mann, R. L. (2007, June). *When praise goes bad*. Third annual DISCOVER! Institute, West Lafayette, IN.
- Mann, R. L. (2007, February). *Gifted visual spatial learners*. Indiana Department of Education/ Indiana Association for the Gifted conference, Indianapolis, IN.
- Mann, R.L (2006, May). *Powerful learning for high-ability K-8 students: Mathematics differentiation*. East Central Indiana Educational Services Center. Greenwood, IN.
- Mann, R. L. (2006, February). *Eye to eye: Connecting with gifted visual spatial learners*. Eleventh annual Illinois Association for Gifted Children convention, Chicago, IL.
- Mann, R. L. (2006, February). *Bright vs. gifted: Characteristics of gifted learners*. Indiana Department of Education/Indiana Association for the Gifted conference, Indianapolis, IN.
- Mann, R. L. (2006, February). *Eye to eye: Connecting with gifted visual spatial learners*. Indiana Department of Education/Indiana Association for the Gifted conference, Indianapolis, IN.
- Mann, R.L (2005, December). *Powerful learning for high-ability K-8 students: Mathematics differentiation*. Northern Indiana Educational Services Center. Syracuse, IN.

Professional Development with School Districts

Presentations of giftedness and gifted education span 16 years with educators in 16 states on topics including Characteristics of Gifted Learners, Differentiating the Curriculum, Cluster Grouping, Twice Exceptional Learners, Visual Spatial Learners, Effective use of Praise and Underachievement.

A recent sampling of presentations is included below:

- Mann, R.L. (2016). "What is Differentiation?" Sponsored by West Michigan Lutheran High School, Kentwood, MI.
- Mann, R.L. (2016). "Differentiate the Lazy Way?" Sponsored by West Michigan Lutheran High School, Kentwood, MI.
- Mann, R.L. (2016). "Jigsaw, R.A.F.T., Cubing, etc..." Sponsored by West Michigan Lutheran High School, Kentwood, MI.
- Mann, R.L. (2016). "K-2: Differentiating for High Ability Learners." School City of Mishawaka, Mishawaka, IN.
- Mann, R.L. (2016). "3-6: Critical Thinking Strategies." School City of Mishawaka, Mishawaka, IN.
- Mann, R.L. (2016). "7-12: Teaching for Depth and Complexity." School City of Mishawaka, Mishawaka, IN.
- Mann, R.L. (2015). "Total School Cluster Grouping." Holland Public Schools, Holland, MI.
- Mann, R.L. (2015). "Differentiation in the Cluster Grouped Classroom." Holland Public Schools, Holland, MI.