

VITA  
Amy E. Lein, Ph.D.

## PERSONAL INFORMATION

### **Business Address**

Bellarmino University  
Annsley Frazier Thornton School of Education  
2001 Newburg Road  
Louisville, KY 40205

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## ACADEMIC EXPERIENCE

Colleges and Universities Attended (Degree, Years of study, School, and Area):

|                                    |  |
|------------------------------------|--|
| Ph.D.<br>May, 2016                 | University of Minnesota, Minneapolis, MN<br>Educational Psychology (Special Education)<br>Dissertation: <i>Effectiveness of Mathematical Word Problem Solving Interventions for Students with Learning Disabilities or Mathematics Difficulties: A Meta-Analysis</i> |
| Master of Education<br>1997 – 2003 | Lesley University, Cambridge, MA<br>Special Education (grades 5-12)  |
| Bachelor of Arts<br>1993 – 1996    | Carleton College, Northfield, MN<br>Major: Psychology  |

## PROFESSIONAL EXPERIENCE

Time Span, Position, Setting, and Responsibilities

|                               |  |
|-------------------------------|--|
| June 2021-<br>present         | <b>Chair of Doctoral Programs</b> , Annsley Frazier Thornton School of Education, Bellarmine University, Louisville, KY  |
| August 2017–<br>Present       | <b>Assistant Professor of Special Education</b> , Annsley Frazier Thornton School of Education, Bellarmine University, Louisville, KY  |
| August 2016 –<br>January 2017 | <b>Lecturer</b> , University of Minnesota, Minneapolis, MN<br>Responsible for teaching EPSY 5619: Specialized Intervention for Students with Mild/Moderate Disabilities in Mathematics; a writing intensive course for graduate and undergraduate students.  |
| July 2015 –<br>July 2017      | <b>Contributor to <i>Solving Math Word Problems, Second Edition</i></b> , Pro-Ed.<br>Responsible for creation of multiplication and division lessons and word problems for <i>Solving Math Word Problems: Teaching Students with Learning Disabilities Using Schema-Based Instruction</i> (Supervisor: Dr. Asha K. Jitendra) |

- August 2014 – July 2017      **Math Corps Master Coach**, Serve Minnesota Action Network, Minneapolis, MN  
Mentoring Minnesota Math Corps members and Internal Coaches at multiple sites throughout Minnesota. Providing ongoing consultation, monitoring tutor logs of Math Corps members, observing and evaluating implementation of lessons, collecting fidelity check data  
(Supervisor: Alison Jirik, Program Director of Math Corps)
- August 2014 – April 2016      **Math Corps Curriculum Consultant**, Serve Minnesota Action Network, Minneapolis, MN  
Worked as a consultant to design curricular materials within a concrete-representational-abstract pedagogical paradigm. Independently created lesson scripts and assessments and collaborated on creation of placement tests. Mathematical content ranged from grades 5-8 and included fractions, rational and irrational numbers, positive and negative exponents, and algebraic equation solving.  
(Supervisor: Dr. Anne Zaslofsky, Math Corps Curriculum Task Force)
- Summer 2013 – Fall 2015      **Graduate Instructor**, University of Minnesota, Minneapolis, MN  
Co-developed and taught a new course (EPSY 5619: Specialized Intervention for Students with Mild/Moderate Disabilities in Mathematics) for graduate students pursuing a Master’s degree in special education. (Supervisor: Dr. Asha K. Jitendra).
- Summer 2015      **Graduate Instructor**, University of Minnesota, Minneapolis, MN  
Taught graduate level course for general education pre-service teachers entitled: Exceptionality in Schools and Communities (EPSY 5720)  
(Supervisor: Dr. Kristen McMaster)
- May 2014 – August 2014      **Graduate Research Assistant**, University of Minnesota, Minneapolis, MN  
Worked on a research grant to create and review grades 6-8 mathematics test items aligned with Common Core and Minnesota State Standards designed for use in a cloud-based system that provides screening and progress monitoring with automated scoring.  
(Project Title: *Formative Assessment System for Teachers (FAST) Lab*;  
Supervisor: Dr. Theodore J. Christ)
- Summer 2014      **Student Teaching Supervisor**, University of Minnesota, Minneapolis, MN  
Coordinated and supervised summer student teaching experience for candidates seeking special education teaching licensure in learning disabilities (EPSY 5752) or emotional/behavioral disabilities (EPSY 5754). Prepared class materials and conducted weekly seminar. Secured teaching placements and acted as liaison between cooperating schools and the University of Minnesota. Supervised, coached, and evaluated student teachers in mathematics and reading lesson instruction in elementary school settings. Graded all assignments and portfolios.  
(Supervisors: Dr. Kathy Seifert; Dr. Jennifer McComas).

- Fall 2011 –  
May 2014      **Graduate Research Assistant**, University of Minnesota, Minneapolis, MN  
Assisted with selection and development of project measures and recruitment/training of participants; scored/coded all data, entered data into Excel, tracked data gathering process. Contributed to writing articles for publication and writing progress reports to schools; presented at conferences. (Project Title: *Learning of Ratio and Proportion Problem-Solving Using Schema-Based Instruction: Efficacy and Sustainability*; Supervisor: Dr. Asha K. Jitendra)
- Fall 2011      **Graduate Teaching Assistant**, University of Minnesota, Minneapolis, MN  
Developed online components of the Moodle page for course (Understanding of Academic Disabilities). Assisted with classroom instruction; reviewed and graded student projects and papers. (Supervisor: Dr. Kathy Seifert).
- September 2010 –  
May 2011      **Graduate Research Assistant**, University of Minnesota, Minneapolis, MN  
Assisted with selection and development of project measures and recruitment/training of participants; scored/coded all data, entered data into Excel, tracked data gathering process. Contributed to writing articles for publication and writing progress reports to schools; presented at conferences. (Project Title: *Enhancing the mathematical problem solving performance of seventh grade students using schema-based instruction*; Supervisor: Dr. Asha K. Jitendra)
- September 2010 –  
September 2013      **Mathematics Tutor**, Mathnasium, St. Paul, MN  
Conducted one-on-one and small group mathematics tutoring for students in grades 2-12 at a private, for-profit tutoring agency.
- August 2005 –  
June 2010      **Special Education and Mathematics Teacher**, Charlotte High School, Charlotte, MI  
Developed curriculum and delivered instruction in both special and general education math classes; organized team meetings, wrote Individualized Education Plans, and monitored student progress; provided afterschool tutoring for students needing remediation and support in mathematics.
- August 1999 –  
June 2005      **Special Education and Mathematics Teacher**, Newton North High School, Newtonville, MA  
Developed curriculum and delivered instruction in special education mathematics classes; co-taught in inclusive, general education mathematics and science classes; organized team meetings, wrote Individualized Education Plans, and monitored student progress.
- September 2003 –  
June 2004      **Curriculum Consultant**, Public Broadcasting Service (PBS) Online Resources  
Aligned lesson plans in PBS Online database with national and state standards. Independently created multidisciplinary lesson plans.

- June 1998 – June 1999      **AmeriCorps Volunteer**, Patriot’s Trail Girl Scouts, Boston, MA Created and implemented educational and therapeutic programming for girls living in under-served urban neighborhoods.
- August 1996 – June 1998      **Paraprofessional Teaching Assistant**, McKinley Technical High School, Boston, MA  
Assisted with lesson planning and instruction in mathematics classroom. Performed crisis interventions with students having emotional, behavioral, and learning disabilities within a therapeutic behavior management paradigm. Co-created and led afterschool drama program.
- Summer 1995      **Direct Care Staff and Performing Arts Instructor**, Wediko Children’s Services Summer Program, Windsor, NH  
Responsible for daily residential care of students ages 6-8 with emotional/behavioral and learning disabilities and experience with loss/trauma. Performing arts instructor for students ages 6-15 within context of daily therapeutic programming.

## COURSES TAUGHT

### Bellarmino University

- EDUC 214 (UG): Nature and Needs of Children with Learning and Behavior Disorders (Fall 2021, 2020, 2019, 2018)
- EDUC 446 (UG): Professional Partnerships (Fall 2021, 2020, 2019)
- EDUC 212 (UG): Consultation and Collaboration, For Secondary Majors (Fall 2020, 2019, 2018)
- EDUC 312 (UG): Procedures for Children with Learning and Behavior Disorders (Spring 2021, 2020, 2019)
- EDUC 336 (UG): Teaching Mathematics (Fall 2018, 2017)
- EDUC 382-ON (UG): Special Education Transition (Spring 2021, 2020)
- EDUC 420 (UG): Supervised Professional Semester: Learning/Behavior Disorders & Elementary (Fall 2017)
- EDUC 431 (UG):Supervised Professional Semester: Elementary P-5 (Fall 2017)
- SPED 510 (MA): Nature and Needs of Children with Learning and Behavior Disorders (Fall 2019)
- SPED 520 (MA): Special Education Transition (Spring 2020)
- SPED 525 (MA): Methods and Procedures for Students with Learning and Behavior Disorders I (Summer 2019 online; Spring 2019 online; Fall 2017)
- SPED 526-ON (MA): Methods and Procedures for Students with Learning and Behavior Disorders II (Spring 2019; Spring 2018)
- SPED 530 (MA): Teaming and Collaboration (Summer 2020; Fall 2018)
- EDUG 612 (MA): Advanced Field Placement (Spring 2019)
- MAT 610 (MA): Parents, School, and Community (Spring 2018)

MAT 605 (MA): Teaching Diverse Learners (Spring 2018)

EDUG 859 (PhD): Doctoral Research Seminar (created course) (Fall 2020)

University of Minnesota

EPsy 5619 (MA/UG): Specialized Intervention for Students with Mild/Moderate Disabilities in Mathematics (Fall 2016; Fall 2015; Fall 2014; Summer 2013)

EPsy 5720 (UG): Exceptionality in Schools and Communities (Summer 2015)

EPsy 5752 (MA): Learning Disabilities Student Teaching (Spring 2017; Summer 2014)

EPsy 5754 (MA): Emotional and Behavioral Disabilities Student Teaching (Summer 2014)

## HONORS AND AWARDS

*Balow Dissertation Award, 2016.* This award is given in memory of Dr. Bruce Balow in recognition of research conducted as part of the doctoral studies in the field of Special Education culminating in the dissertation presentation and defense.

*Council for Exceptional Children's Division for Research Doctoral Student Scholars (DRDSS), 2015.* One of 11 scholars selected through a nationally competitive review process to participate in three virtual seminars and on-line forums devoted to expanding knowledge of research, and a culminating colloquium dedicated to graduate student development at the 2015 CEC convention.

*Nominated for Bruininks-Hagstrum Endowed Fellowship Fund, 2014.* Fellowships for advanced graduate students emphasizing studies in educational policy and reform of educational and human service programs that emphasize the positive development and success of children and youth with special learning needs, including those from economically disadvantaged circumstances.

## PUBLICATIONS

### Chapters

Sood, S. & **Lein, A. E.**, (2018). The development of a legacy: Paying it forward. In P. McLaren & M. Peters (Eds.). *Asian/American Scholars of Education: 21<sup>st</sup> Century Pedagogies, Perspectives, and Experiences*. **(Invited)**.

Vig, R., Star, J. R., Dupuis, D. N., **Lein, A. E.**, & Jitendra, A. K. (2015). Exploring the impact of knowledge of multiple strategies on students' learning about proportions. In J. A. Middleton & J. Cai (Eds.), *Design, Results, and Implications of Large-Scale Studies in Mathematics Education* (pp. 61-73). New York, NY: Springer. **(Invited)**.

Jitendra, A. K., Dupuis, D. N., & **Lein, A. E.** (2015). Promoting word problem solving performance among children with mathematics difficulties: The role of strategy instruction that primes the problem structure. In S. Chinn (Ed.), *The Routledge International Handbook of Dyscalculia and Mathematical Learning Difficulties* (pp. 357-368). London and New York: Routledge Taylor & Francis. **(Invited)**

### Publications in Refereed Journals

- Lein, A. E.,** Jitendra, A. K., & Harwell, M. R. (2020). Effectiveness of mathematical word problem-solving interventions for students with learning disabilities and mathematics difficulties: A meta-analysis. *Journal of Educational Psychology*, 112(7), 1388–1408. <https://doi.org/10.1037/edu0000453>
- Taylor, A.J., & **Lein, A.E.** (2019). Choice as an antecedent intervention provided to children with emotional disturbances. *Kentucky Teacher Education Journal: The Journal of the Teacher Education Division of the Kentucky Council for Exceptional Children*: 6(1), Article 3, 1-15. Available at: <https://digitalcommons.murraystate.edu/ktej/vol6/iss1/3>
- Alghamdi, A., Jitendra, A. K., & **Lein, A. E.** (2019). Teaching elementary students with mathematics learning disabilities to solve multiplication and division word problems. *ZDM: Mathematics Education*. doi: [10.1007/s11858-019-01078-0](https://doi.org/10.1007/s11858-019-01078-0)
- Jitendra, A. K., **Lein, A. E.**, Im, S. H., Alghamdi, A. A., Hefte, S. B., & Mouanoutoua, J. (2018). Mathematical interventions for secondary students with learning disabilities and mathematics difficulties: a meta-analysis. *Exceptional Children* 84, 177-196. doi: [10.1177/0014402917737467](https://doi.org/10.1177/0014402917737467)
- Lein, A. E.,** Jitendra, A. K., Starosta, K. M., Dupuis, D. N., Hughes-Reid, C. L., & Star, J. R. (2016). Assessing the relation between seventh-grade students' engagement and mathematical problem solving performance. *Preventing School Failure: Alternative Education for Children and Youth* 60(2), 117-123. doi: [10.1080/1045988X.2015.1036392](https://doi.org/10.1080/1045988X.2015.1036392)
- Jitendra, A. K., Harwell, M. R., Karl, S. R., Dupuis, D. N., Simonson, G. R., Slater, S. C., & **Lein, A. E.** (2016). Schema-based instruction: Effects of experienced and novice teacher implementers on seventh grade students' proportional problem solving. *Learning and Instruction*, 44, 53-64. doi: [10.1016/j.learninstruc.2016.03.001](https://doi.org/10.1016/j.learninstruc.2016.03.001)
- Jitendra, A. K., Petersen-Brown, S., **Lein, A. E.**, Zaslofsky, A. F., Kunkel, A. K., Jung, P. G., & Egan, A. M. (2015). Teaching mathematical word problem solving: The quality of evidence for strategy instruction priming the problem structure. *Journal of Learning Disabilities*, 48(1), 51-72. doi: [10.1177/0022219413487408](https://doi.org/10.1177/0022219413487408)
- Jitendra, A. K., Harwell, M., Dupuis, D. N., Karl, S., **Lein, A. E.**, Simonson, G., & Slater, S. C., (2015). Effects of a research-based intervention to improve seventh-grade students' proportional problem solving: a cluster randomized trial. *Journal of Educational Psychology*, 107(4), 1019 -1034. doi: [10.1037/edu0000039](https://doi.org/10.1037/edu0000039)
- Jitendra, A. K., **Lein, A. E.**, Star, J. R., & Dupuis, D. N. (2013). The contribution of domain-specific knowledge in predicting students' proportional word problem-solving performance. *Educational Research and Evaluation*, 19(8), 700-716. doi: [10.1080/13803611.2013.845107](https://doi.org/10.1080/13803611.2013.845107)

#### Non-refereed Publications

- Jitendra, A. K., & **Lein, A. E.** (2015). Strategy instruction that primes the problem structure. *Current Practice Alerts*, 22. <http://teachingld.org/alerts#strategy-instruction-that-primed-the-problem-structure> (Invited)

## INTERNATIONAL/NATIONAL CONFERENCE PRESENTATIONS

- Lein, A.E.** (2019, September). *Teaching Students with Mathematics Disabilities to Solve Multiplication and Division Word Problems: The Role of Schema- Based Instruction*. Presented at Kentucky Association of Teacher Educators (KATE) Annual Conference in Louisville, KY.
- Alghamdi, A, Jitendra, A. K., **Lein, A. E.** (2018, October). *Teaching Equal Groups Problems to Elementary Students with Learning Disabilities*. Paper presented in a multi-presentation session at Council for Learning Disabilities (CLD) annual conference in Portland, OR.
- Alghamdi, A, Jitendra, A. K., **Lein, A. E.** (2018, February). *Teaching Elementary Students with Mathematics Learning Disabilities to Solve Multiplication and Division Word Problems*. Poster presented at Council for Exceptional Children (CEC) annual convention in Tampa, FL.
- Jitendra, A. K., **Lein, A. E.**, Alghamdi, A., Im, S-H., Hefte, S., & Mouanoutoua, J. (2017, April). *The Effectiveness of Mathematical Interventions for Secondary Students with Mathematics Difficulties: A Meta-analysis*. Poster presented at Council for Exceptional Children (CEC) annual convention in Boston, MA.
- Lein, A.E.**, & Jitendra, A.K. (2016, April). *Mathematical word problem-solving interventions for students with or at-risk for mathematics learning disabilities: A meta-analysis*. Poster presented at the American Educational Research Association (AERA) annual convention, in Washington, D.C.
- Jitendra, A. K., **Lein, A. E.**, Dupuis, D. D., Simonson, G., Harwell, M.R., Karl, S. R., & Slater, S. (2015, April). *Students with mathematics problem-solving difficulties' understanding and solution of proportion problems*. Paper presented in a multi-presentation session at the Council for Exceptional Children (CEC) annual convention, San Diego, CA.
- Simonson, G., & Jitendra, A. K., Harwell, M. R., Dupuis, D. N., Karl, S. R., **Lein, A. E.**, & Slater, S. C. (2015, February). *Schema-Based Instruction and Proportional Problem Solving for Middle School Students*. Paper presented at the Council for National Association for School Psychologists (NASP) annual convention, Orlando, FL.
- Jitendra, A. K., Harwell, M. R., Dupuis, D. N., Karl, S. R., **Lein, A. E.**, Simonson, G., & Slater, S. C. (2014, September). Assessing the effect of schema-based instruction on proportional problem-solving performance of students with mathematics problem-solving difficulties. Paper presented at the Society for Research on Educational Effectiveness Spring 2014 Conference, Washington, D.C.
- Jitendra, A. K., Harwell, M. R., Dupuis, D. N., Karl, S. R., **Lein, A. E.**, Slater, S. C., Simonson, G., & Herriges, M. (2014, April). *A randomized experiment of a schema-based instructional approach to proportional problem solving for seventh-grade students*. Poster presented at the American Educational Research Association (AERA) annual convention, Philadelphia, PA.

- Harwell, M. R., Dupuis, D. N., Jitendra, A. K., Karl, S. R., **Lein, A. E.**, & Slater, S. C. (2014, April). *The impact of schema-based instruction on proportional problem-solving for students with mathematics problem-solving difficulties*. Paper presented at the American Educational Research Association (AERA) annual convention, Philadelphia, PA.
- Jitendra, A. K., Petersen-Brown, S, **Lein, A. E.**, Zaslofsky, A. F., Kunkel, A., Jung, P-G., & Egan, A. (2014, April). *Teaching mathematical word problem solving: The quality of evidence for strategy instruction priming the problem structure*. Paper presented at the American Educational Research Association (AERA) annual convention, Philadelphia, PA.
- Lein, A. E.**, & Jitendra, A. K. (2014, April). *Effectiveness of mathematical word-problem-solving interventions for elementary students with and at-risk for learning disabilities: A Meta-Analysis*. Paper presented at the Council for Exceptional Children (CEC) annual convention, Philadelphia, PA.
- Lein, A. E.**, & Jitendra, A. K. (2014, April). *Effectiveness of mathematical word-problem-solving interventions for elementary students with and at-risk for learning disabilities*. Poster presented at the American Educational Research Association (AERA) annual convention, Philadelphia, PA.
- Lein, A. E.**, Jitendra, A. K., Starosta, K. M., Dupuis, D. N., Hughes-Reid, C., & Star, J. R. (2014, April). *Assessing the relation between seventh-grade students' engagement and mathematical problem solving performance*. Poster presented at the American Educational Research Association (AERA) annual convention, Philadelphia, PA.
- Jitendra, A. K., & **Lein, A. E.** (2014, April). *Teaching ratios, proportions, and percents: Priming the problem structure*. Paper presented in a strand session on *Mathematics and the Common Core State Standards* at the Council for Exceptional Children (CEC) annual convention, Philadelphia, PA.
- Jitendra, A. K., Harwell, M. R., Dupuis, D. N., Karl, S. R., **Lein, A. E.**, Slater, S. C., Simonson, G., & (2014, March). *A randomized experiment of a schema-based instructional approach to proportional problem solving for seventh-grade students*. Paper presented at the Society for Research on Educational Effectiveness Spring 2014 Conference, Washington, D.C.
- Petersen-Brown, S, Zaslofsky, A. F., Jitendra, A. K., **Lein, A. E.**, Kunkel, A., & Jung, P-G. (2014, February). *Teaching mathematical word problem solving: The quality of evidence for strategy instruction priming the problem structure*. Paper presented at the National Association for School Psychologists (NASP) Conference, Washington, D.C.
- Jitendra, A. K., **Lein, A. E.**, Star, J. R., & Dupuis, D. N. (2013, September). *The contributions of domain-specific knowledge in predicting students' proportional problem solving performance*. Poster presented at the Society for Research on Educational Effectiveness Fall 2013 Conference, Washington, D.C.



- Jitendra, A. K., Petersen-Brown, S., **Lein, A. E.**, & Zaslofsky, A. F. (2013, April). *Is strategy instruction priming the mathematical word problem structure an evidence-based practice?* Paper presented at the Council for Exceptional Children (CEC) annual convention, San Antonio, TX.
- Jitendra, A. K., Harwell, M. R., Dupuis, D. N., Karl, S. R., **Lein, A. E.**, Slater, S. C., Simonson, G., & (2014, March). *A randomized experiment of a schema-based instructional approach to proportional problem solving for seventh-grade students.* Paper presented at the Society for Research on Educational Effectiveness Spring 2014 Conference, Washington, D.C.
- Petersen-Brown, S., Zaslofsky, A. F., Jitendra, A. K., **Lein, A. E.**, Kunkel, A., & Jung, P-G. (2014, February). *Teaching mathematical word problem solving: The quality of evidence for strategy instruction priming the problem structure.* Paper presented at the National Association for School Psychologists (NASP) Conference, Washington, D.C.
- Jitendra, A. K., **Lein, A. E.**, Star, J. R., & Dupuis, D. N. (2013, September). *The contributions of domain-specific knowledge in predicting students' proportional problem solving performance.* Poster presented at the Society for Research on Educational Effectiveness Fall 2013 Conference, Washington, D.C.
- Jitendra, A. K., Star, J. R., **Lein, A. E.**, Dupuis, D. N., & Bauer, C. (2012, April). *The contributions of specific mathematical concepts and skills and reading to problem solving involving ratios, proportions, and percents.* Poster presented at the American Educational Research Association (AERA) annual convention, Vancouver, Canada.
- Lein, A. E.**, Jitendra, A. K., Bauer, C., & Dupuis, D. N. (2012, February). *Student characteristics associated with ratio, proportion, and percent problem-solving performance.* Poster presented at the National Association for School Psychologists (NASP) Conference, Philadelphia, PA.

#### REGIONAL, STATE, AND LOCAL CONFERENCE PRESENTATIONS

- Taylor, A. & **Lein, A.E.** (2020, Nov). *Explicit, Interwoven Social Skills Instruction: The Benefits for Students with Emotional/Behavioral Disorders in the Inclusive Classroom.* Pre-recorded presentation for the Teacher Educators for Children with Behavioral Disorders (TEBCD) Virtual Conference.
- Taylor, A. & **Lein, A.E.** (2019, May). *Choice as an Antecedent Intervention Provided to Children with Emotional Disturbances.* Poster presented at the Kentucky Excellence in Educator Preparation (KEEP) Summit, Lexington, KY.
- Lein, A.E.**, & Clark, E. (2018, May). *Lesson study: Teaching multiplicative comparisons.* Poster presented at the Kentucky Excellence in Educator Preparation (KEEP) Summit, Louisville, KY.
- Lein, A.E.**, & Graviss, S. (2018, May). *Curriculum analysis of math in practice.* Poster presented at the Kentucky Excellence in Educator Preparation (KEEP) Summit, Louisville, KY.

Jitendra, A. K., Harwell, M. R., Dupuis, D. N., Karl, S. R., **Lein, A. E.**, Slater, S. C., Simonson, G., & Herriges, M. (2014, April). *Effects of a research-based intervention to improve seventh-grade students' proportional problem solving: A cluster randomized trial*. Paper presented at the 2<sup>nd</sup> Annual Midwest Meeting on Mathematical Thinking, Madison, WI.

**Lein, A. E.**, & Jitendra, A.K. (2014, July). *Effectiveness of Mathematical Word Problem Solving Interventions for Elementary Students with Learning Disabilities or At-Risk for Mathematics Difficulties: A Meta-Analysis*. Paper presented at the 2<sup>nd</sup> Annual Midwest Meeting on Mathematical Thinking, Madison, WI.

**Lein, A. E.**, & Jitendra, A.K. (2013, July). *Assessing the relation between seventh-grade students' engagement and problem solving performance*. Poster presented at the 1<sup>st</sup> Annual Midwest Meeting on Mathematical Thinking, Minneapolis, MN.

Jitendra, A. K., **Lein, A. E.**, & Dupuis, D. N. (2013, July). *The contribution of domain-specific knowledge in predicting students' proportional word problem solving performance*. Paper presented at the 1<sup>st</sup> Annual Midwest Meeting on Mathematical Thinking, Minneapolis, MN.

**Lein, A.**, Jitendra, A. K., Dupuis, D. N., & Star, J. R. (2011, August). *The contributions of specific mathematical concepts and skills and reading to problem solving involving ratios, proportions, and percents*. Poster presented at the STEM Conference, University of Minnesota, St. Paul, MN.

## COMMUNITY PRESENTATIONS

**Lein, A.E.** (2020, February). *Understanding Learning Disabilities through Simulation*. Selected to present at the Bellarmine Annual Donor College event at Bellarmine University, Louisville, KY.

**Lein, A. E.**, & Jitendra, A. K. (2014, March). *Effectiveness of mathematical word problem solving interventions for elementary students with learning disabilities and/at-risk for mathematics difficulties: A synthesis*. Paper presented at the Graduate Student Research Day (GSRD) at the University of Minnesota, Minneapolis, MN.

Jitendra, A. K., Harwell, M. R., Dupuis, D. N., Karl, S. R., **Lein, A. E.**, Simonson, G., & Slater, S. C. (2014, March). *Effects of a research-based mathematics intervention to improve seventh-grade students' proportional problem solving: A cluster randomized trial*. Poster presented at the CEHD Faculty Research Day, University of Minnesota, Minneapolis, MN.

**Lein, A. E.**, & Jitendra, A. K. (2013, March). *Assessing the relation between seventh-grade students' engagement and proportional problem solving performance*. Poster presented at the Graduate Student Research Day (GSRD) at the University of Minnesota, Minneapolis, MN.

## GRANTS

Scholarships for students seeking special education teaching certification funded by WHAS Crusade for Children

- \$18,000 for September 1, 2021- August 31, 2022
- \$16,000 for September 1, 2020 – August 31, 2021
- \$18,000 for September 1, 2019 – August 31, 2020
- \$18,000 for September 1, 2018 - August 31, 2019

GenCyber Student Summer Camp

- Received Gen Cyber grant of \$116,557.85 to fund summer camp offering experiences for middle grades girls who demonstrate potential related to STEAM (science, technology, engineering, arts, & math) and would benefit from additional experiences and support. Camp to be held Summer 2022, with additional outreach programming before and after the camp.
- Applied for \$65,000 grant to fund GenCyber summer camp (*Spring 2020—unfunded*)

Applied for Network Improvement Community (NIC) focused on special education teacher recruitment and retention American Association of Colleges for Teacher Education (*Spring 2018—unfunded*)

## SERVICE ACTIVITIES

### Institutional Service

|                           |  |
|---------------------------|--|
| Fall 2020 – Spring 2021   | Faculty Co-Advisor, Registered Student Organization: Council for Exceptional Children (student branch)     |
| Spring 2020 – Spring 2021 | Member, Academic Advising Advisory Council   |
| Fall 2019 – Spring 2021   | Member, Faculty Affairs Committee  |
| Fall 2019 – Spring 2021   | Member, Knight U Planning Committee  |
| June 2019                 | School of Education representative, Academic Adviser for Bellarmine Knight U Orientation for new students. |
| May 2019                  | National Behavioral Intervention Team Association (NaBITA) training participant                            |
| August 2018 – Spring 2021 | Faculty Co-Advisor, Registered Student Organization: Bellarmine Best Buddies                               |
| September 2018 – present  | Faculty Advisor, Registered Student Organization: Camp Kesem   |
| Spring 2019-2021          | Committee member/essay reviewer, Wyatt Fellowship Committee  |
| Summer 2018               | Member, Commuter Initiative Committee  |
| Spring 2018               | School of Education representative at Bellarmine Preview Day (1/21) and the Bellarmine Experience (3/17).  |
| Fall 2017 – Spring 2019   | Volunteer, Bellarmine Career Center Career Clothing Drive  |

## Departmental Service

|                              |  |
|------------------------------|--|
| July 2020                    | Member, Search Committee for adjunct professors in the MEd Social Justice Program                      |
| Spring 2020                  | Participant in Initial Certification Diversity Curriculum Audit  |
| Spring 2020                  | Member, Admission Interview Committee  |
| Spring 2019                  | Admission Interview Revision Committee Co-leader   |
| Fall 2018 – present          | Member, Diversity Task Force/Recruitment Committee   |
| Fall 2018                    | Member, Initial Certification Field Hours Committee  |
| Spring 2018                  | Member, Assistant/Associate Professor STEM Educator Search Committee                                   |
| Spring 2018 –<br>Summer 2019 | Volunteer one-on-one tutor for students struggling to pass the mathematics section of the Praxis Exam. |
| Fall 2018– present           | Member, Initial Certification Committee/Special Education Subcommittee                                 |
| Fall 2017 – Fall<br>2018     | Member & Leader, Dispositions Assessment Protocol team/Admissions Interview Revisions Committee        |

## Professional Service

|                            |  |
|----------------------------|--|
| January 2021               | Invited manuscript reviewer, <i>Learning Disabilities: A Contemporary Journal</i>                                  |
| October 2019-<br>June 2020 | Invited manuscript reviewer, <i>Educational Researcher (reviewed original and 1 revision)</i>                      |
| June 2019-May<br>2020      | Invited manuscript reviewer, <i>Journal of Mathematical Behavior (reviewed original and 3 rounds of revisions)</i> |
| May 2020                   | Volunteer reviewer of secondary mathematics programs for Educational Professional Standards Board (EPSB)           |
| June 2019                  | Invited Reviewer of four chapters of <i>The Special Educator's Guide to Assessment (Sage Publications)</i>         |
| June 2019                  | Proposal reviewer, <i>American Association of Colleges for Teacher Education Conference</i>                        |
| 2018                       | Invited manuscript reviewer for <i>Journal of Learning Disabilities</i>  |
| June 2018                  | Invited reviewer, Kentucky Department of Education mathematics standards   |
| 2015 – present             | Invited manuscript reviewer for <i>Review of Educational Research</i>  |
| 2015 – present             | Proposal reviewer, <i>American Educational Research Association Conference</i>                                     |
| 2016                       | Invited manuscript reviewer for <i>AERA Open</i>   |
| 2013                       | Proposal reviewer, <i>Future Educators Association National Conference</i>   |
| 2011 – present             | Proposal reviewer, <i>Council for Exceptional Children Conference</i>  |

## Community Service

|                            |  |
|----------------------------|--|
| Spring 2020-<br>present    | Member, IHE Special Education Consortium   |
| Spring 2020-<br>present    | Member, GLEC Advisory Board  |
| Spring 2020-<br>present    | Member, JCPS ECE Advisory Committee  |
| Fall 2019 –<br>present     | Camp Kesem Advisory Board  |
| Summer 2019 –<br>Fall 2019 | Consultant on St. Leonard’s School Personalized Learning Initiative                        |
| 8/18 – 1/19                | Consultant on Mathematics Standards 2018 for Archdiocese of Louisville                     |
| 2018                       | Service field trip to Volunteers of America Emergency Shelter; donation of Career Clothing |

**PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS**

American Association of University Professors, Bellarmine Chapter (2019 – present)

Kappa Delta Pi (2019 – present)

Bellarmino Women’s Council (2018 – present)

Kentucky Association of Mathematics Teacher Educators (2018 – 2019)

Council for Learning Disabilities (2017 – 2019)

American Educational Research Association (2012 – 2018)

Council for Exceptional Children (2012 – present)

Pi Lambda Theta (2012 – 2016)