

VITA

JANIS A. BULGREN

Research Professor, University of Kansas Center for Research on Learning	2013-Present
Associate Research Professor, University of Kansas Center for Research on Learning	1996-2013
Courtesy Assistant Professor, University of Kansas Department of Special Education	1990-Present

EDUCATIONAL EXPERIENCE:

1987 Ph.D., University of Kansas, School of Education, Department of Special Education
 1965 M.A., University of Iowa, Iowa City, English
 1963 B.A., University of Iowa, Iowa City, English and Secondary Education (with highest distinction, with honors in English)

PROFESSIONAL EXPERIENCE:

Director, Institute for Content Area Learning and Teaching	2016-present
Principal Investigator, <i>Accelerating Higher Order Thinking and STEM Content Learning Among students with learning disabilities with CORGI 2</i> , subcontract with CAST, Inc. funded by National Science Foundation.	2018-2021
Principal Investigator, <i>Redesigning Secondary Courses to Improve Academic Outcomes Related to Higher Standards for Students with Disabilities and Other Underperforming Students</i> , subcontract with SRI International, funded by the U.S. Department of Education Innovation in Instruction (i3).	2015-2019
Co-Principal Investigator, National Science Foundation, Enhancing Argumentation with Social Media: Supporting Teacher Professional Development	2013-2017
Principal Investigator, National Science Foundation, DRK-12 grant to support development of an Evidence Game using argumentation	2010-2014t
Co-Principal Investigator, Technical Assistance Systems Network grant to support students with disabilities in math and reading in the State of Kansas	2010-2013t
Co-Principal Investigator, National Science Foundation, Professional development materials to develop student knowledge and skills of scientific argumentation	2006-2010
Co-Principal Investigator, MATRIX- Middle School Achievement through Technology-Rich Interventions (USOE)	2005-2008
Co-Principal Investigator, American Institutes for Research. Adolescent Literacy Project	2005-2007
Principal Investigator, Federally-funded Research Grant (USOE) for the Model Demonstration: Strategic advantage: Ensuring the success of ninth graders with disabilities through intensive instruction	2002-2007
Site Director, Federally-funded Research Grant (USOE) for the Institute for Academic Access: A research institute to improve results for adolescents with disabilities in general education academic curricula	1999-2003
Project Coordinator, University of Kansas, Lawrence. Federally-funded Research Grant (USOE) for the Cognitive/Behavioral Apprenticeship: Validation of a Coordinated Instructional Program to Improve Educational Outcomes for Adolescents with SED	1998-2003
Co-Principal Investigator and Project Director, University of Kansas, Lawrence Federally-funded Research Grant (USOE) for the Performance Enhancement Routines for Use in Inclusive Content Classrooms	1995-1998
Developer and Strand Leader, University of Kansas, Lawrence. Federally-funded Research Grant (USOE) for the Adult Education Accommodations Grant	1995-1998
Co-Principal Investigator and Project Director, University of Kansas, Lawrence	1992-1995

Federally-funded Research Grant (USOE) for the Development and Validation of Reasoning Strategies for Use in Secondary Mainstream Classrooms Containing Students with Learning Disabilities	
Project Director, University of Kansas, Lawrence, Federally-funded Research Grant (USOE) for the Development and Validation of Teaching Routines for Use in Secondary Mainstream Classrooms Containing Students with Learning Disabilities	1989-1992
Project Coordinator, University of Kansas, Lawrence, Federally-funded Research Grant (USOE) for Mathematics Strategy Interventions for Learning Disabled Youth	1988-1989
Project Coordinator, University of Kansas, Lawrence Privately-funded Research Grant for Development and Validation of Learning and Teaching Strategies for the Kansas City INROADS Pre-Collegiate Program	1988-1989
Post-doctoral Fellow, Juniper Gardens Children's Research Project, Bureau of Child Research and Department of Special Education, University of Kansas, Lawrence	1987-1988
Research Associate, University of Kansas, Lawrence Institute for Research in Learning Disabilities	1987-1991
Network Associate Member, University of Kansas Center for Research on Learning, Lawrence Strategies Training International Network	1985-present
Project Coordinator, University of Kansas, Lawrence Federally-funded Research Grant (USOE) for the Development and Validation of Concept Teaching Routines for Enhancing the Performance of Learning Disabled Students in Secondary Mainstream Courses	1985-1986
Curriculum Developer, University of Kansas, Lawrence, ASSET: A Social Skills Program for Adolescents, Institute for Research in Learning Disabilities	1985
Research Associate, University of Kansas, Lawrence, Project ACSES, Post-Secondary Learning Disabilities, Institute for Research in Learning Disabilities	1983-1985
Research Assistant, University of Kansas, Lawrence, Institute for Research in Learning Disabilities	1982-1987
Teacher, Lawrence High School, USD 497, Lawrence, Kansas	1978-1981

PUBLICATIONS:

Articles:

- Hock, M.F., Bulgren, J.A. & Brasseur-Hock, I. (2017) The Strategic Instruction Model: The less addressed aspects of effective instruction for high school students with learning disabilities. *Learning Disabilities Research and Practice* doi 10.1111/ldrp.12139
- Rowland, A., Craig-Hare, J., Ault, M., Ellis, J., & Bulgren, J. (2017). Social media: How the next generation can practice argumentation. *Educational Media International*, 3987(August), 1–13. <https://doi.org/10.1080/09523987.2017.1362818>
- Ault, M., Craig-Hare, J., Frey, B., Ellis, J. D., & Bulgren, J. (2015). The effectiveness of Reason Racer, a game designed to engage middle school students in Scientific Argumentation. *Journal of Research on Technology in Education*, 47 (1), 21–40. doi:10.1080/15391523.2015.967542
- Frey, B. B., Ellis, J. D., Bulgren, J. A., Craig-Hare, J., & Ault, M. (2015). Development of a test of scientific argumentation. *Electronic Journal of Science Education*. 19(4)
- Bulgren, J., & Ellis, J. (2015). The Argumentation and Evaluation Guide: Encouraging NGSS-based critical thinking. *Science Scope*, 38 (7), 78–85.
- Bulgren, J. A., Ellis, J. D., & Marquis, J. G. (2014). The use and effectiveness of an Argumentation and Evaluation Intervention in science classes. *Journal of Science Education and Technology*, 23 (1), 82–97.
- Bulgren, J.A., Marquis, J.G., Deshler, D.D., Lenz, B.K., & Schumaker, J.B. (2013). The use and effectiveness of a question exploration routine in secondary-level English language arts classrooms. *Learning Disabilities: Research and Practice*, 28(4), 156-169.

- Bulgren, J.A., Graner, P.S., & Deshler, D.D. (2013). Literacy challenges and opportunities for students with learning disabilities in social studies and history. *Learning Disabilities & Research, 28*(1), 17-27.
- Bulgren, J.A., Marquis, J.G., Lenz, B.K., Deshler, D.D., & Schumaker, J.B. (2011). The effectiveness of a question exploration routine for enhancing the content learning of students. *Journal of Educational Psychology, 103*(3), 578-593.
- Bulgren, J.A., Marquis, J.G., Lenz, B.K., Schumaker, J.B., & Deshler, D.D. (2009). Effectiveness of question exploration to enhance students' written expression of content knowledge and comprehension. *Reading and Writing Quarterly, 25*(4), 271-289.
- Bulgren, J.A., Deshler, D.D., & Lenz, B.K. (2007). Engaging adolescents with LD in higher order thinking about history concepts using integrated content enhancement routines. *Journal of Learning Disabilities, 40*(2), 121-133.
- Lenz, B.K., Adams, G.L., Bulgren, J.A., Pouliot, N., & Laroux, M. (2007). Effects of curriculum maps and guiding questions on the test performance of adolescents with learning disabilities. *Learning Disability Quarterly, 30*(4), 235-244.
- Bulgren, J.A. (2006). Integrated content enhancement routines: Responding to the needs of adolescents with disabilities in rigorous inclusive secondary content classes. *Teaching Exceptional Children, 38*(6), 54-58.
- Bulgren, J.A., Lenz, B.K., Marquis, J.G., Deshler, D.D., Schumaker, J.B., Davis, B., & Grossen, B. (2006). The instructional context of inclusive secondary general education classes: Teachers' instructional roles and practices, curricular demands, and research-based practices and standards. *Learning Disabilities: A Contemporary Journal, 4*(1), 39-65.
- Schumaker, J.B., Deshler, D.D., Woodruff, S.K., Hock, M.F., Bulgren, J.A., & Lenz, B.K. (2006). Reading strategy interventions: Can literacy outcomes be enhanced for at-risk adolescents? *Teaching Exceptional Children, 38*(3), 64-68.
- Deshler, D.D., Lenz, B.K., Bulgren, J.A., Schumaker, J.B., Davis, B., Grossen, B., & Marquis, J. (2004). Adolescents with disabilities in high school setting: Student characteristics and setting dynamics. *Learning Disabilities: A Contemporary Journal, 2*(2), 30-48.
- Schumaker, J.B., Deshler, D.D., Bulgren, J.A., Davis, B., Lenz, B.K., & Grossen, B. (2002). Access of adolescents with disabilities to general education curriculum: Myth or reality? *Focus on Exceptional Children, 35*(3), 1-16.
- Bulgren, J.A., Lenz, B.K., Schumaker, J.B., Deshler, D.D., & Marquis, J. (2002). The use and effectiveness of a comparison routine in diverse secondary content classrooms. *Journal of Educational Psychology, 94*(2), 356-371.
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- Deshler, D.D., Schumaker, J.B., Bulgren, J.A., Lenz, B.K., Jantzen, J.E., Adams, G.,... & Marquis, J. (2001). Making learning easier: Connecting new knowledge to things students already know. *Teaching Exceptional Children, 33*(4), 82-85.
- Deshler, D.D., Schumaker, J.B., Lenz, B.K., Bulgren, J.A., Hock, M.F., Knight, J., & Ehren, B.J. (2001). Ensuring content-area learning by secondary students with learning disabilities. *Learning Disabilities Research and Practice, 16*(2), 96-108.
- Boudah, D.J., Lenz, B.K., Bulgren, J.A., Schumaker, J.B., & Deshler, D.D. (2000). Don't water down: Enhance content learning through the unit organizer routine. *Teaching Exceptional Children, 32*(3), 48-57.
- Bulgren, J.A., Deshler, D.D., Schumaker, J.B., & Lenz, B.K. (2000). The use and effectiveness of analogical instruction in diverse secondary content classrooms. *Journal of Educational Psychology, 92*(3), 426-441.
- Bulgren, J.A., Deshler, D.D., & Schumaker, J.B. (1997). Use of a recall enhancement routine and strategies in inclusive secondary classes. *Learning Disabilities Research & Practice, 12*(4), 198-208.
- Bulgren, J.A., & Scanlon, D. (1997). Instructional routines and learning strategies that promote

- understanding of content area concepts. *Journal of Adolescent & Adult Literacy*, 41(4), 292-302.
- Deshler, D.D., & Bulgren, J.A. (1997). Redefining instructional directions for gifted students with learning disabilities. *Learning Disabilities*, 8(3), 121-132.
- Bulgren, J.A., Hock, M., Schumaker, J.B., & Deshler, D.D. (1995). The effects of instruction in a paired associates strategy on the information mastery performance of students with learning disabilities. *Learning Disabilities Research and Practice*, 10(1), 22-37.
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- Crank, J. & Bulgren, J.A. (1993). Visual depictions as information organizers for enhancing achievement of students with learning disabilities. *Learning Disabilities Research and Practice*, 8(3), 140-147.
- Greenwood, C.R., Delquadri, J., & Bulgren, J. (1993). Current challenges to behavioral technology in the reform of schooling: Large-scale, high-quality implementation and sustained use of effective educational practices. *Education and Treatment of Children*, 16(4) 401-440.
- Bulgren, J.A., & Carta, J.J. (1992). Examining the instructional contexts of students with learning disabilities. *Exceptional Children*, 59(3), 182-191. Reprinted with permission in *Annual Editions: Educating Exceptional Children* (1993). Guilford, CT: Dushkin Publishing Group, Inc.
- Bulgren, J.A., & Kline, F.M. (1991). An instructional model for use by counselors: Promoting independence for post-secondary students with learning disabilities. *IACD Quarterly*, 123, 33-49.
- Bulgren, J.A., Schumaker, J.B., & Deshler, D.D. (1988). Effectiveness of a concept teaching routine in enhancing the performance of LD students in secondary-level mainstream classes. *Learning Disabilities Quarterly*, 11(1), 3-17.
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Books and Book Chapters:

- Bulgren, J.A. (2018). The Decision Making Routine. (2018.) The University of Kansas Center for Research on Learning: 1122 West Campus Road, Room 517, Lawrence, KS 66604-3101.
- Bulgren, J.A., & Ellis, J.D. (2015). *The Scientific argumentation routine (2015)*. The University of Kansas Center for Research on Learning: 1122 West Campus Road, Room 517, Lawrence, KS 66604-3101
- Ault, M., Craig-Hare, J., Ellis, J. D., Bulgren, J., Kretschmer, I., & Frey, B. B. (2016). Using Reason Racer to Support Scientific Argumentation in Middle School Science Instruction. In M. Urban & D. Falvo (Eds.), *Improving K12 STEM Education Outcomes through Technological Integration* (pp. 399-431). Hershey, PA: Information Science Reference (IGI Global).
- Bulgren, J., & Ellis, J. D. (2012). Argumentation and evaluation intervention in science classes: Teaching and learning with Toulmin. In M. S. Khine (Ed.), *Perspectives on Scientific Argumentation: Theory, practice and research* (pp. 135-154). New York: Springer Publishing Company.
- Bulgren, J. (2013). *Teaching cause and effect* (iBook) (2014). Lawrence: University of Kansas Center for Research on Learning. Available on iTunes.
- Lenz, B.K., & Bulgren, J. (2012). Improving academic outcomes in content areas. In B.G. Cook & M. Tankersley (Eds.), *Research-based practices in special education* (pp. 98-115). New York, NY: Pearson.
- Bulgren, J.A., & Schumaker, J.B. (2005). Teaching practices that optimize curriculum access. In D.D. Deshler & J.B. Schumaker (Eds.), *Teaching adolescents with disabilities: Accessing the general education curriculum* (pp. 79-120). Thousand Oaks, CA: Corwin Press.
- Schumaker, J.B., Deshler, D.D., Bulgren, J.A., Davis, B., Lenz, B.K., & Grossen, B. (2005). Access of

- adolescents with disabilities to general education curriculum: Myth or reality? In T.M. Skrtic, K.R. Harris, & J.G. Shriner (Eds.) *Special education policy and practice: Accountability, instruction, and social challenges* (pp. 129-155). Denver, CO: Love Publishing. (Reprinted from *Focus on Exceptional Children*, 35(3), 1-16, 2002).
- Bulgren, J. (2004). Effective content-area instruction for all students. In T.E. Scruggs & M.A. Mastropieri (Eds.), *Advances in learning and behavioral disabilities: Research in secondary schools* (Vol. 17, pp. 147-174). San Diego, CA: Elsevier Ltd.
- Lenz, B.K., Bulgren, J. Kissam, B., & Taymans, J. (2004). SMARTER planning for academic diversity. In B.K. Lenz, & D.D. Deshler, with B. Kissam (Eds.), *Teaching content to all: Evidence-based inclusive practices in middle and secondary schools* (pp.47-77). Boston, MA: Allyn & Bacon.
- Bulgren, J.A., Lenz, B.K., Schumaker, J.B., & Deshler, D.D. (2001). *The question exploration routine*. Lawrence, KS: Edge Enterprises, Inc.
- Bulgren, J.A., Schumaker, J.B., & Ryan, A. (2001). Focus on student skills In A. K. Ryan (Ed.), *Strengthening the safety net: How schools can help youth with emotional and behavioral needs complete their high school education and prepare for life after school* (pp. 6-7). Burlington: University of Vermont School Research Office.
- Bulgren, J.A. (1999). Concept organizers. In B.K. Lenz & J.B. Schumaker, (Eds.), *Adapting materials for middle school students with disabilities*. Reston, VA: The Council for Exceptional Children.
- Bulgren, J.A., & Lenz, B.K. (1996). Strategic instruction in the content areas. In D.D. Deshler, E.S. Ellis, & B.K. Lenz (Eds.). *Teaching adolescents with learning disabilities: Strategies and methods* (2nd ed., pp. 409-473). Denver, CO: Love Publishing.
- Lenz, B.K., & Bulgren, J.A. (1995). Promoting learning in the content area classes. In P.T. Cegelka & W.H. Berdine (Eds.), *Effective instruction for students with learning disabilities* (pp. 385-417). Boston, MA: Allyn & Bacon.
- Bulgren, J.A., Schumaker, J.B., & Deshler, D.D. (1994). *The content enhancement series: The concept anchoring routine*. Lawrence, KS: Edge Enterprises, Inc.
- Bulgren, J.A., Deshler, D.D., & Schumaker, J.B. (1993). *The content enhancement series: The concept mastery routine*. Lawrence, KS: Edge Enterprises.
- Lenz, B.K., Bulgren, J.A., & Hudson, P. (1990). Content enhancement: A model for promoting the acquisition of content learning by individuals with learning disabilities. In T. Scruggs & B.L.Y. Wong (Eds.), *Intervention research in learning disabilities* (pp 122-165). New York, NY: Springer-Verlag.
- Deshler, D.D., Putnam, M.L., & Bulgren, J.A. (1985). Academic accommodations for adolescents with behavior and learning problems. In S. Braaten, R.B. Rutherford, Jr., & W.E. Evans (Eds.), *Programming for adolescents with behavioral disorders* (pp. 20-30). Reston, VA: Council for Exceptional Children.

Instructional Materials

- Rowland, A., Ellis, J., Ball, L., Mohn, J., Schwarting, J., Ault, M., Bradley, B., Bulgren, J., & Craig-Hare, J. (in-progress). *Understanding Genetics through Argumentation curriculum unit*. Lawrence, KS: University of Kansas. Unit development part of three-year grant funded by the National Science Foundation, DRL - Discovery Research K-12, (NSF Award ID# - 1316799).
- Frey, B.B., Ellis, J.D. & Bulgren, J.A. (2015). *Test of Scientific Argumentation* [Measurement instrument]
- Craig-Hare, J., Rowland, A., Ellis, J., Bulgren, J., Ault, M., & Bradley, B. (2016). *Argumentation essay scoring rubric*. Lawrence, KS: University of Kansas.
- Bulgren, J.A., Lenz, B.K., Schumaker, J.B., & Deshler, D.D. (2004). *The professional development program for the concept comparison routine*. Lawrence, KS: Edge Enterprises, Inc.
- Bulgren, J.A., Lenz, B.K., Schumaker, J.B., & Deshler, D.D. (2004). *The professional development program for the question exploration routine*. Lawrence, KS: Edge Enterprises, Inc.
- Bulgren, J.A., Schumaker, J.B., & Deshler, D.D. (2004). *The professional development program for the concept mastery routine*. Lawrence, KS: Edge Enterprises, Inc.
- Bulgren, J.A., Schumaker, J.B., & Deshler, D.D. (2004). *The professional development program for the concept anchoring routine*. Lawrence, KS: Edge Enterprises, Inc.

- Bulgren, J.A., Lenz, B.K., Schumaker, J.B., & Deshler, D.D. (2002). *The question exploration routine: Trainer's guide*. Lawrence: University of Kansas Center for Research on Learning.
- Bulgren, J.A. (1998). *Practicing the storage strategies: LINCS, FIRST, and PAIRS*. Lawrence, KS: Edge Enterprises, Inc.
- Lenz, B.K., Schumaker, J.B., Deshler, D.D., & Bulgren, J.A. (1998). *The content enhancement series: The course organizer routine*. Lawrence, KS: Edge Enterprises, Inc.
- Schumaker, J.B., Bulgren, J.A., Deshler, D.D., & Lenz, B.K. (1998). *The content enhancement series: The recall enhancement routine*. Lawrence: University of Kansas Center for Research on Learning.
- Bulgren, J.A. (1996). *Concept comparison trainer's guide*. Lawrence: University of Kansas Center for Research on Learning.
- Bulgren, J.A., Schumaker, J.B., & Deshler, D.D. (1996). *Learning strategies curriculum: The paired associates strategy*. Lawrence: University of Kansas Center for Research on Learning.
- Bulgren, J.A., Lenz, B.K., Schumaker, J.B., & Deshler, D.D. (1995). *Concept comparison routine*. Lawrence, KS: Edge Publications, Inc.
- Lenz, B.K., Bulgren, J.A., Schumaker, J.B., Deshler, D.D., & Boudah, D.A. (1994). *The content enhancement series: The unit organizer routine*. Lawrence, KS: Edge Enterprises.
- Bulgren, J.A. (1993). *Concept mastery trainer's guide*. Lawrence: University of Kansas Center for Research on Learning.
- Bulgren, J.A. (1993). *Concept anchoring trainer's guide*. Lawrence: University of Kansas Center for Research on Learning.
- Bulgren, J.A. (1992). Planning for concept instruction. *Strategram*, 4(4). Lawrence: University of Kansas Center for Research on Learning.
- Bulgren, J.A. (1992). Concept teaching routine. *Strategram*, 4(4). Lawrence: University of Kansas Center for Research on Learning.

GRANTS/CONTRACTS:

Awarded:

- Bulgren, J.A. (2018-2021). Subcontract as Principal Investigator, *Accelerating Higher Order Thinking and STEM Content Learning Among students with learning disabilities with CORGI_2*, subcontract with CAST, Inc. funded by National Science Foundation.
- Bulgren, J.A. (2014-19). Subcontract as Principal Investigator, *Redesigning Secondary Courses to Improve Academic Outcomes Related to Higher Standards for Students with Disabilities and Other Underperforming Students*, subcontract with SRI International, funded by the U.S. Department of Education Investing in Innovation Fund (i3).
- Ellis, J.D., Ault, M.M., Rowland, A.L., & Bulgren, J.A. (2013-2016). *Enhancing argumentation with social media: Supporting teacher professional*. National Science Foundation. (\$429,784)
- Sumner, J.A., & Bulgren, J.A. (2010-2015). *Inclusive network for reading, math, and LRE in Kansas: A comprehensive technical assistance system*. State of Kansas. (\$1,576,635)
- Bulgren, J.A., Ault, M., Ellis, J.D., & Frey, B. (2010-2014). *The evidence games: Collaborative games engaging middle school students in the evaluation of scientific evidence*. National Science Foundation. (\$1,994,939)
- Ellis, J. & Bulgren, J. (2006-2010). *Professional development materials to develop student knowledge and skills of scientific argumentation*. National Science Foundation. (\$351,684).
- Deshler, D.D., Schumaker, J.B., Hock, M.F., & Bulgren, J.B. (2005-2007). *A national randomized study to validate an adolescent reading program for 9th graders*. U.S. Department of Education Institute for Education Sciences and Vocational and Adult Education. (\$1.4 million)
- Hock, M F., Ault, M., James, J., & Bulgren, J.A. (2005-2008). *MATRIX (Middle school achievement through technology-rich interventions)*. Subcontract with Wexford. (\$1,350,000)
- Bulgren, J.A. (2002-2007). *Model demonstration: Strategic advantage: Ensuring the success of ninth graders with disabilities through intensive instruction*. U.S. Department of Education Institute of Education Sciences. (\$700,000)

- Schumaker, J.B., Deshler, D.D., Bulgren, J.A., & Lenz, B.K.(1999-2006). *Institute for academic access: A research institute to improve results for adolescents with disabilities in general education academic curricula*. U.S. Department of Education Institute of Education Sciences. (\$3,500,000)
- Schumaker, J.B., & Bulgren, J.A. (1997-2001). *Cognitive/behavioral apprenticeship: Validation of a coordinated instructional program to improve educational outcomes for adolescents with SED*. U.S. Department of Education Office of Special Education Programs. (\$617,117)
- Mellard, D., White, W., Bulgren, J.A. & Horton, B.(1995-1998). *Research and demonstration of a model for successfully accommodating adults with disabilities in adult education programs*. U.S. Department of Education Institute of Education Sciences. (\$525,000)
- Bulgren, J.A., & Schumaker, J.B. (1995-1998). *Performance enhancement routines for use in inclusive content classrooms*. U.S. Department of Education Institute of Education Sciences. (\$497,694)
- Bulgren, J.A., & Schumaker, J.B. (1992-1993). *Reasoning strategies and teaching routines for use in mainstream secondary classrooms*. U.S. Department of Education. (\$442,000)
- Deshler, D.D., Schumaker, J.B., & Bulgren, J.A. (1998-1991). *The development and validation of teaching routines for enhancing the performance of adolescents with learning disabilities in mainstream courses*. U.S. Department of Education Special Education Programs. (\$388,730)
- Bulgren, J.A., McKnight, P., Schumaker, J.B., & Deshler, D.D. (1987). *Development and validation of learning and teaching strategies for the Kansas City INROADS Pre Collegiate program*. Kansas City Foundation. (\$122,000)
- Deshler, D.D., & Bulgren, J.A. (1985-1986). *Development and validation of concept teaching routines for enhancing the performance of learning disabled students in secondary mainstream courses*. U.S. Department of Education Special Education Programs. (\$12,482)

Recently submitted NSF DRK-12

- Blackorby, J & Bulgren, J. (2018). *Discovery Research K-12: Accelerating Higher Order Thinking and STEM Content Learning among students with learning disabilities with CORGI_2 National Science Foundation*. NSF – DRL: DRK-12, 15-592.
- Bulgren, J. & Ellis, J. (2017). *Tech-Link: Technology Enhanced Links to Careers in Science (Tech-Link) National Science Foundation, \$1,199,3368 (1758997)*.
- Bulgren, J.A., Hock, M. F. & Brasseur, I. (2017). *Development of Blended Learning Science Environments that Support Three-Dimensional Learning of Crosscutting Concepts, Science and Engineering Practices, and Disciplinary Core Ideas*. National Science Foundation.
- Bulgren, J. A. (2016). *The Development of Instructional Materials and Procedures to Enhance Student Skills in Cross-Curricular Argumentation*. U.S. Dept. of Education Institute of Educational Sciences.
- Bulgren, J. A. (2015). *Deeper Understanding of Science Through Implementation of an Enhanced Graphic Interactive System for Teaching*. NSF \$396,375.
- Bulgren, J. S. (2015) *Promoting Social Emotional and Academic Learning Required for College Readiness Standards in Rural Secondary Schools*. U.S. DOE IES. \$1,499,964
- Bulgren, J. (2014). *Disciplinary Reading and Discourse in Science*. U.S. DOE OES \$1,494,300
- Bulgren, J.A. (2013). *The development of instructional materials and procedures to enhance students' skills in cross-curricular argumentation*. U.S. Department of Education Institute of Education Science, 3 years. (\$1,460,718)
- Bulgren, J.A., & Ellis, J. D. (2013). *Design-Based Implementation Research to Understand and Develop Argumentation Practices in Eighth-Grade Science*. National Science Foundation, 3 years. (\$2,828,284).
- Ault, M., Bulgren, J., Ellis, J., & Frey, B. (2012). *Collective formative feedback: A model to improve scientific argumentation and discourse skills within the context of an online competitive game*. National Science Foundation, 3 years. (\$2,999,426)
- Bulgren, J., Ault, J., Ellis, J., Frey, B. (2012). *Enhanced cognition through game play*. National Science Foundation, 3 years. (\$1,499,830)

- Bulgren, J., Ellis, J., Barry, A., & Bradley, B. (2012). *Enhancement of students' abilities to evaluate and explain argumentation in science and English arts classes*. U. S. Department of Education Institute of Education Sciences, 3 years. (\$1,499,453)
- Bulgren, J. (2011). *Aligning instruction with standards and assessments to increase achievement for all*. U.S. Department of Education Institute of Education Sciences, 4 years. (\$2,826,833)
- Bulgren, J.A. (2011). *The systematic data-driven secondary school reform model for planning and implementing evidence-based interventions for school at risk for school failure*. Subcontract with SRI funding through the U.S. Department of Education, 4 years. (\$849,513)
- Bulgren, J.A., & Deshler, D.D. (2011). *A comparison of two professional development approaches in middle school science classes to improve the performance of students with disabilities*. U.S. Department of Education Institute of Education Sciences, 4 years. (\$3,484,196)
- Bulgren, J.A. (2010). *Content enhancement routines validation project: Aligning instruction with standards and assessments to increase achievement for all*. U.S. Department of Education, 5 years. (\$29,826,094)
- Bulgren, J.A., Deshler, D.D., & Robinson, S. (2010). *A comparison of professional development approaches to promote implementation of content enhancement routines to improve the performance of students with disabilities in middle schools*. U.S. Department of Education Institute of Education Sciences, 4 years. (\$6,164,535)
- Bulgren, J.A., & Lenz, B.K. (2010, March 18). *Application of technology to students self-monitoring and student-teacher communication Activities to increase the success of students with disabilities in the secondary general education curriculum*. U.S. Department of Education Office of Special Education and Rehabilitative Services Office of Special Education Programs, 2 years. (\$397,957).
- Hock, M.F., Bulgren, J.A., & Brasseur, I. (2010). *What are the essential prerequisites for student success in Algebra 1?* U.S. Department of Education Institute of Education Sciences, 4 years. (\$2,344,814)
- Ault, M., & Bulgren, J. (2009). *Number sensation games for middle school students: Building a conceptual understanding of number sense through games*. U.S. Department of Education Institute of Education Sciences, 3 years. (\$1,499,877)
- Ault, M., & Bulgren, J. (2009). *Multiplayer collaboratory game effect on pre-algebra vocabulary and comprehension*. National Institute of Health, 2 year. (\$993,907)
- Ault, M., & Bulgren, J. (2009). *Evidence evaluation project: Competitive game for science and health literacy*. National Institute of Health, 2 years. (\$999,997)
- Ault, M., & Bulgren, J. (2009). *Project algebrary: The use of a collaborative web-based multiplayer game to improve pre-algebra vocabulary Knowledge and comprehension for middle school*. National Science Foundation, 3 years. (\$2,030,393)
- Bulgren, J. (2009). *Integrated reading and content literacy in history*. U.S. Department of Education Institute of Education Sciences, 3 years. (\$1,499,248)
- Bulgren, J. (2009). *The vocabulous project: A research and development project investigating a web-based vocabulary learning environment for middle school math students*. U.S. Department of Education Institute of Education Sciences, 3 years. (\$1,498,294)
- Bulgren, J. (2009). *The evidently game: A middle school evaluation of scientific evidence game*. U.S. Department of Education, 3 years. (\$1,499,170)
- Bulgren, J. (2009). *Exploration of adolescent literacy, primary source reading and effective teacher Practices in 11th grade history courses*. U.S. Department of Education, 3 years. (\$1,526,206)
- Bulgren, J. (2009). *Content enhanced reading in science*. U.S. Department of Education Institute of Education Sciences, 3 years. (\$1,479,959)
- Hock, M., & Bulgren, J. (2009). *Development of an online blended professional learning model*. U.S. Department of Education Institute of Education Sciences, 3 years. (\$1,534,987)
- Hock, M., & Bulgren, J. (2009). *What are the math proficiencies and learner characteristics of adolescents enrolled in algebra courses in the 8th and 9th grades?* U.S. Department of Education, 4 years. (\$2,142,493)

- Ault, M., & Bulgren, J. (2008). *Multiplayer online vocabulary engagement (MOVE) game to support mathematics comprehension for middle school students*. National Science Foundation, 3 years. (\$996,272)
- Ault, M., & Bulgren, J. (2008). *The vocabulous project: A research and development project investigating a web-based vocabulary learning environment for middle school math students*. U.S. Department of Education Institute of Education Sciences, 3 years. (\$1,499,858)
- Ault, M., & Bulgren, J. (2008). *Thinktank 2 (TT2): Online metacognitive content-based expository writing tool*. U.S. Department of Education Institute of Education Sciences, 3 years. (\$1,498,520)
- Bulgren, J., & Hock, M. (2008). *Content enhanced reading in science*. U.S. Department of Education Institute of Education Sciences, 3 years. (\$1,498,963)
- Bulgren, J., & Lenz, B. K. (2008). *Application of technology to communication, assessment, and self-monitoring activities to increase the success of students with disabilities in the secondary general education curriculum*. U.S. Department Office of Special Education Programs, 2 year. (\$399,970)
- Lenz, B.K., & Bulgren, J.A. (2008). *Application for technology to assessment assignment, and student-teacher communication activities to increase success of students with disabilities in secondary general education curriculum*. Steppingstones of Technology Innovation for Children with Disabilities. (\$399,352)
- Mellard, D., & Bulgren, J. (2008). *Improving teacher effectiveness and student outcomes in the junior high school with response to intervention*. U.S. Department of Education Institute of Education Sciences, 3 years. (\$1,499,916)
- Ault, M., Bulgren, J., & Branham, R. (2007). *Thinktank2: Web-based metacognitive scaffolding to support 4th grade writers*. U.S. Department of Education Institute of Education Sciences, 2 years. (\$999,052)
- Ault, M., Bulgren, J., & Skorupski, W. (2007). *Project RISE: Research for improving student evaluation*. U.S. Department of Education Institute of Education Sciences, 2 years. (\$999,002)
- Hock, M.F., Bulgren, J.A., & Brasseur, I. (2006) *Advanced reading comprehension in science*. U.S. Department of Education Institute of Education Sciences. (\$1,994,586)
- Bulgren, J.A. (2005). *Comprehension center on instruction*. Subcontract with Mid-continent Research for Education and Learning.
- Bulgren, J., & Ellis, J.D. (2005). *Integrated science enhancement: Support for students and teachers in inclusive middle school science classrooms to improve the performance of underachieving students through development and use of integrated research-based content enhancement routines*. U.S. Department of Education Institute of Education Sciences. (\$1,107,437)
- Hock, M.F., Smith, S., Bulgren, J.A., & Ault, M. (2005). *Word trek: A technology-based approach to vocabulary instruction for students with disabilities*. U.S. Department of Education. (\$399,806).
- Bulgren, J.A., Ellis, J., & Embretson, S. (2004). *Research to improve the scientific reasoning abilities in students and other significantly underachieving students in inclusive science classrooms*. U.S. Department of Education Institute of Education Sciences. (\$1,041,148)
- Bulgren, J. A., & Lenz, B. K. (2004). *Support for teachers in inclusive secondary science classrooms to improve the performance of students with disabilities and other significantly underachieving students through research-based instructional techniques*. U.S. Department of Education Institute of Education Sciences. (\$2,148,206)
- Ellis, J.D., Heppert, J., & Bulgren, J.A. (2004). *The center for learning and achievement in mathematics and science (CLAIM)*. National Science Foundation. (\$10,000,000)
- Lenz, B.K., & Bulgren, J.A. (2004) *An evaluation of on-site and online supports to increase infusion of content enhancement teaching routine in middle school science classrooms*, U.S. Department of Education Institute of Education Sciences. (\$2, 977,942)
- Bulgren, J.A. et. al. (2003). *Research on the scientific reasoning abilities and information processing skills of students* U.S. Department of Education Institute of Education Sciences. (\$792,591)
- Lenz, B.K., & Bulgren, J.A. (2003). *Staying power: Evaluation of approaches to taking strategic planning and instruction to scale through the use of content enhancement routines*. U.S. Department of Education Institute of Education Sciences. (\$6,000,000).

RESEARCH REPORTS AND RESEARCH MONOGRAPHS:

- Rowland, A., Ellis, J., Ball, L., Mohn, J., Schwarting, J., Ault, M., Bradley, B., Bulgren, J., & Craig-Hare, J. (in-progress). *Understanding Genetics through Argumentation: A Unit of Study*. Lawrence, KS: University of Kansas. Unit development part of three-year grant funded by the National Science Foundation, DRL - Discovery Research K-12, (NSF Award ID# - 1316799).
- Ellis, J., Rowland, A., Ault, M., Craig-Hare, J., Bulgren, J., & Bradley, B. (2015). *Annual Report for Enhancing Argumentation with Social Media: Supporting Teacher Professional Learning and Student Science Practice*. Funded by the National Science Foundation, DRL - Discovery Research K-12, (NSF Award ID# - 1316799).
- Ellis, J., Rowland, A., Ault, M., Craig-Hare, J., Bulgren, J., & Bradley, B. (2014). *Annual Report for Enhancing Argumentation with Social Media: Supporting Teacher Professional Learning and Student Science Practice*. Funded by the National Science Foundation, DRL - Discovery Research K-12, (NSF Award ID# - 1316799).
- Adams, G., Lenz, B.K., & Bulgren, J.A. (2002). *A mosaic for planning interventions for high school students with disabilities* (Monograph #5). Lawrence: The University of Kansas Institute for Academic Access.
- Bulgren, J.A. (2002). *The educational context and outcomes for high school students with disabilities: The perceptions of parents of students with disabilities* (Report #8). Lawrence: The University of Kansas Institute for Academic Access. (ERIC Document Reproduction Service No. ED469288)
- Bulgren, J.A., Lenz, B.K., McKnight, M., Davis, B., Grossen, B., Marquis, J., ... Schumaker, J.B. (2002). *The educational context and outcomes for high schools students with disabilities: The perceptions of general education teachers* (Report #7). Lawrence: The University of Kansas Institute for Academic Access. (ERIC Document Reproduction Service No. ED469287)
- Bulgren, J.A., Lenz, B.K., Marquis, J., Schumaker, J.B., & Deshler, D.D. (2002). *The effects of the use of the Question Exploration Routine on student performance in secondary content classrooms* (Report #10). Lawrence: The University of Kansas Institute for Academic Access. (ERIC Document Reproduction Service No. ED469289)
- Deshler, D.D., Grossen, B., Marquis, J., Schumaker, J.B., Bulgren, J., Lenz, B.K., & Davis, B. (2002). *The educational context and outcomes for high school students with disabilities: The characteristics and perceptions of students with disabilities* (Report #2). Lawrence: The University of Kansas Institute for Academic Access. (ERIC Document Reproduction Service No. ED469282)
- Deshler, D.D., Schumaker, J.B., Marquis, J., Bulgren, J., Lenz, B.K., Davis, B., & Grossen, B. (2002). *The educational context and outcomes for high school students with disabilities: A case study comparing the school life of students with disabilities and their peers without disabilities* (Report #3). Lawrence: The University of Kansas Institute for Academic Access. (ERIC Document Reproduction Service No. ED469283)
- Grossen, B., Davis, B., Bulgren, J.A., Schumaker, J.B., Deshler, D.D., Lenz, B.K., & Marquis, J. (2002). *The educational context and outcomes for high school students with disabilities: Materials used to instruct students with disabilities* (Report #9). Lawrence: The University of Kansas Institute for Academic Access.
- Jones, J., Adams, G., Schumaker, J.B., Deshler, D.D., Davis, B., Grossen, B., Bulgren, J.A., ... Lenz, B.K. (2002). *The educational context and outcomes for high school students with disabilities: The perceptions of administrators* (Report #6). Lawrence: The University of Kansas Institute of Academic Access. (ERIC Document Reproduction Service No. ED469286)
- Lenz, B.K., Adams, G., Bulgren, J.A., Pouliot, N., & Laroux, M. (2002). *The effects of curriculum maps and guiding questions on the test performance of adolescents with learning disabilities* (Report #14). Lawrence: The University of Kansas Institute for Academic Access. (ERIC Document Reproduction Service No. ED469292)
- Lenz, B.K., Adams, G., Schumaker, J.B., Bulgren, J.A., & Deshler, D.D. (2002). *Promoting success in the general education curriculum for high school students with disabilities: Issues and research related to influencing teacher planning to ensure that students with disabilities gain access to the*

- high school core curriculum* (Monograph #4). Lawrence: The University of Kansas Institute of Academic Access.
- Schumaker, J.B., Bulgren, J.A., Davis, B., Grossen, B., Marquis, J., Deshler, D.D., & Lenz, B.K. (2002). *The educational context and outcomes for high school students with disabilities: General education classes and the satisfaction of general education teachers* (Report #5). Lawrence: The University of Kansas Institute for Academic Access. (ERIC Document Reproduction Service No. ED459285)
- Schumaker J.B., Deshler, D.D., Lenz, B.K., Bulgren, J.A., Davis, B., Grossen, B., & Marquis, J. (2002). *The educational context and outcomes for high schools students with disabilities: Overview of the study and findings* (Report #1). Lawrence: The University of Kansas Institute for Academic Access. (ERIC Document Reproduction Service No. ED469281)
- Schumaker, J.B., Lenz, B.K., Bulgren, J.A., Davis, B., Grossen, B., Marquis, J., & Deshler, D.D. (2002). *The educational context and outcomes for high schools students with disabilities: Special education programs and the perceptions of special education teachers* (Report #4). Lawrence: The University of Kansas Institute for Academic Access. (ERIC Document Reproduction Service No. ED469284)
- Bulgren, J.A., & Schumaker, J.B. (2001). *Promoting success in the general education curriculum for high school students with disabilities: Instructional practices designed to promote success for students with disabilities in inclusive secondary content classes* (Monograph #3). Lawrence: The University of Kansas Institute for Academic Access.
- Bulgren, J.A., & Schumaker, J.B. (2001, March). *Instructional practices designed to promote success for students with disabilities in inclusive secondary content classrooms: A review of the literature. Institute for Academic Access Research Syntheses Series*. Lawrence: University of Kansas Center for Research on Learning
- Lenz, B.K., Kissam, B., Bulgren, J., Melvin, J., & Roth, J. (1992). *Obstacles to teaching in the face of academic diversity: Implications for planning for students with disabilities* (Research Report). Lawrence: University of Kansas Center for Research on Learning.
- Lenz, B.K., Kissam, B., Melvin, J., Roth, J., & Bulgren, J. (1992). *Meeting the challenge of academic diversity: Action of secondary social studies and science teachers* (Research Report). Lawrence: University of Kansas Center for Research on Learning.
- Lenz, B.K., Kissam, B.J., Roth J., Bulgren, J., & Melvin, J. (1992). *Barriers to planning for at-risk students: Implications for teacher planning* (Research Report). Lawrence: University of Kansas Center for Research on Learning.
- Lenz, B.K., Kissam, B., Schumaker, J., Deshler, D., & Bulgren, J. (1992). *The plans of secondary social studies and science teachers for teaching an academically diverse class* (Research Report). Lawrence: University of Kansas Center for Research on Learning.
- Lenz, B.K., Melvin, J., Kissam, B., Bulgren, J., & Roth, J. (1992). *Factors promoting personal growth when teaching academically diverse classes* (Research Report). Lawrence: University of Kansas Center for Research on Learning.
- Lenz, B.K., Melvin, J., Kissam, B., Bulgren, J., & Roth, J. (1992). *Efforts to enhance personal growth when teaching academically diverse classes* (Research Report). Lawrence: University of Kansas Center for Research on Learning.
- Lenz, B.K., Melvin, J., Kissam, B., Bulgren, J., & Roth, J. (1992). *Meeting the challenge of academic diversity: Actions of secondary social studies and science teachers* (Research Report). Lawrence: University of Kansas Center for Research on Learning.
- Lenz, B.K., Melvin, J., Kissam, B., Bulgren, J., & Roth, J. (1992). *Characteristics of good collegiality among secondary social studies and science teachers when teaching academically diverse classes* (Research Report). Lawrence: University of Kansas Center for Research on Learning.

CONFERENCE PROCEEDINGS AND PRESENTATIONS:

- Blackorby, J., Schiller, E., Bulgren, J., Spriggs, C., Fenwick, B., Elkin, R., Goldowsky, B., DuCharne, K. & Self, C. (February, 2018). Use of Design Based Implementation Research to Redesign Secondary Courses to Improve Higher Order Thinking and Content Learning in Biology and US

- History for Underperforming Adolescents. Presentation at the The 26th Annual Pacific Coast Research Conference (PCRC), Diego, California.
- Schiller, E., Blackorby, J., Xin, Wei, Bulgren, J., Morrison, K., Tiruke, T., (February, 2018). *Use of Design Based Implementation Research to Redesign Secondary Courses to Improve Higher Order Thinking and Content Learning in Biology and US History for Underperforming Adolescents. Presentation at the Society for Research on Educational Effectiveness (SREE) Conference. Washington, D.C.*
- Bulgren, J.A. (July, 2017). *Using Content Enhancement Graphics as Essay Writing Supports.* Presentation at the International SIM Conference. Lawrence, KS.
- Bulgren, J.A. & Hock, M. (July, 2017). *Information gathering session on adaptations to Content Enhancement graphics and Reading Programs.* Presentation at the International SIM Conference. Lawrence, KS.
- Bulgren, J.A., Schiller, E., Blackorby, J. & Spriggs, C. (July, 2017). *Iterative development research insights from an Investing in Innovation Grant.* Presentation at the International SIM Conference, Lawrence, KS.
- Bulgren, J.A. (July, 2016). *The Scientific Argumentation Routine.* Presentation at the International SIM Conference. Lawrence, KS.
- Rowland, A., Ellis, J., Craig-Hare, J., Ault, M., Bradley, B., Bulgren, J. (2015). *Social Media for Learning: Platform Preferences, Digital Citizenship and Authenticity.* Paper presentation given at the annual meeting of the International Society for Technology in Education (ISTE). Philadelphia, PA.
- Ellis, J., Rowland, A., Ault, M., Bulgren, J.; Bradley, B., CraigHare, J. (January, 2015). *Using social media to enhance the practice of scientific argumentation.* Presented at the annual meeting of the Association of Science Teacher Education. Portland, OR.
- Rowland, A., Ellis, J., CraigHare, J., Ault, M., Bradley, B., Bulgren, J. (August, 2014). *Enhance Teaching and Learning with Social Media: Supporting Teacher Learning and Student Scientific Argumentation.* Poster presented at the 2014 DR K12 PI Meeting for the National Science Foundation: Washington, DC.
- Rowland, A., Ellis, J., Craig-Hare, J., Ault, M., Bradley, B., Bulgren, J. (2015). *Social Media for Learning: Platform Preferences, Digital Citizenship and Authenticity.* Paper presentation given at the annual meeting of the International Society for Technology in Education (ISTE). Philadelphia, PA.
- Bulgren, J. (2015). *Scientific Argumentation.* Presentation at the International SIM Conference. Lawrence, KS.
- Bulgren, J. *Next Generation Science Standards and Content Enhancements (2015).* Presentation at the International SIM Conference. Lawrence, KS.
- Bulgren, J. (2015). *Scientific Argumentation.* SIM Southwest Update. SIM X SOUTHWEST Update. Virtual Presentation.
- Bulgren, J. (2015). *Teaching Cause and Effect.* SIM Southwest Update. SIM X SOUTHWEST Update. Virtual Presentation
- Bulgren, J. (2015). *Scientific Argumentation SIM® West Update*
- Bulgren, J. March 10, 2015 - SIM® SOUTHEAST UPDATE Virtual Presentation - Scientific Argumentation
- Bulgren, J. June 25, 2015 - *Scientific Argumentation SIM® Maryland Update.* Virtual Presentation -
- Bulgren, J. (2014, October). *Scientific Argumentation Scientific Argumentation Workshop*
- Bulgren, J. (2014). *Teaching cause and effect.* Presentation at the International SIM Conference. Lawrence, KS.
- Bulgren, J. (2014). *Content enhancement devices as essay-writing supports.* Presentation at the International SIM Conference. Lawrence, KS.

- Bulgren, J., Lenz, B.K., & Lenz, P. (2014). *Beyond co-construction: using collaborative discourse for building understanding and collective intelligence*. Presentation at the International SIM Conference. Lawrence, KS.
- Ellis, J., Craig-Hare, J., Ault, M., Bulgren, J., & Frey, B. (January 2014). *Reason racer: An on-line game to support learning of scientific argumentation*. Research paper presented at ASTE Annual International Meeting: San Antonio, TX.
- Ault, M., Craig-Hare, J., Ellis, J., Bulgren, J., Frey, B., & Adams, D. (2013). *Reason racer: Engaging middle school students in scientific argumentation*. Paper presented at the University of Kansas School of Education Research Conference, Lawrence.
- Bulgren, J.A., (2013). *The cause-and-effect routine*. Strand presented at the annual Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A., Lenz, B.K., & Ricketts, E. (2013). *Content enhancement and the common core*. Strand presented at the annual Strategic Instruction Model Conference, Lawrence, KS.
- Ellis, J., Craig-Hare, J., Ault, M., Bulgren, J., & Frey, B. (2013). *The evidence game – introducing scientific argumentation in middle school science students*. Paper presented at the NARST Annual International Conference, Rio Grande, Puerto Rico.
- Ault, M., Craig-Hare, J., Ellis, J., Bulgren, J., Frey, B., & Adams, D. (2013). *Reason racer: Engaging middle school students in scientific argumentation*. Paper presented at the University of Kansas School of Education Research Conference, Lawrence.
- Bulgren, J.A., (2013). *The cause-and-effect routine*. Strand presented at the annual Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A., Lenz, B.K., & Ricketts, E. (2013). *Content enhancement and the common core*. Strand presented at the annual Strategic Instruction Model Conference, Lawrence, KS.
- Ellis, J., Craig-Hare, J., Ault, M., Bulgren, J., & Frey, B. (2013). *The evidence game – introducing scientific argumentation in middle school science students*. Paper presented at the NARST Annual International Conference, Rio Grande, Puerto Rico
- Ault, M., Craig Hare, J., Bulgren, J., Ellis, J. (2012). *Analysis of a game feature designed to heighten engagement and learning*. Proceedings of the Society for Information Technology & Teacher Education International Conference 2012. Chesapeake, VA
- Bulgren, J. (2012, July). *Sharing the research: Cause and effect, decision making, and argumentation*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J., Ault, M., Ellis, J., Frey, B. & Craig-Hare, J. (2012, June). *The evidence games: Collaborative games engaging middle school students in the evaluation of scientific evidence*. Poster session presented at the 2012 DR K-12 PI Meeting for the National Science Foundation: Washington, DC.
- Bulgren, J., & Ellis, J. (2012). *The argumentation and evaluation intervention: Research findings from a grant from the National Science Foundation*. Poster session presented at the annual Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J., Ellis, J., Ault, M., Frey, B., & Craig Hare, J. (2012). *The evidence game: Collaborative online video games engaging middle school students in the evaluation of scientific evidence*. Poster session presented at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J., & Lenz, B.K. (2012). *Some routine rules for adapting, shrinking, and expanding content enhancement devices*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J., & Lenz, B.K. (2012). *The perfect match: Common core state standards and content enhancement routines*. Strand presented at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Ellis, J.D., Bulgren, J., Ault, M., Frey, B., Hare, J.C. (2012, January). *The Evidence game for supporting middle school teachers in introducing scientific argumentation to middle school science students*. Poster session presented at the annual meeting of the Association of Science Teacher Education, Clearwater Beach, FL.
- Lenz, B.K. & Bulgren, J. (2012). *Some routine rules for adapting, shrinking, and expanding content*

- enhancement devices*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Ault, M., Craig Hare, J., Bulgren, J., Scherrer, D., Adams, D. (2011). Iterative development process for the evidence game: A scientific argumentation game for middle school students. *Proceedings of Society for Information Technology & Teacher Education International Conference 2011*. Chesapeake, VA: AACE. SITE2012.
- Bulgren, J. (2011, November). *Argument Engagement*. Science on Tap Cafe Series. Lawrence, KS.
- Bulgren, J.A., & Lenz, B.K. (2011, July). *Integrating the new "Three Rs" into your content enhancement routines: Reading, writing, and reasoning*. Strand presented at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A., & Lenz, B.K. (2011, July). *Close encounters with a SIM author: The question exploration routine*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J. A. (2010, July). *Set a course for success: Using content enhancement to support writing and reading comprehension*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J. A. (2010, July). *Energize your content enhancement neural pathways by looking beyond this galaxy*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A., & Ellis, J.D. (2010, July). *The argumentation and evaluation intervention: Research findings from grant from the National Science Foundation*. Poster presented at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A. (2010, July). *Research Pecha-Kucha*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A. (2010, July). *Affinity group: A trip to the content enhancement holodeck: Planning professional development with sets of integrated enhancement devices*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A., (2010, June 11). *The use and effectiveness of an argumentation and evaluation intervention in science classes*. Paper presented at the University of Kansas School of Education Strategies for Educational Improvement Conference, Lawrence, KS.
- Bulgren, J.A., Ellis, J.D., & Marquis, J. (2010, January 16). *The use and effectiveness of an argumentation and evaluation intervention in science classes*. Paper presented at the annual meeting of the Association for Science Teacher Education, Sacramento, CA.
- Pollitt, D.T., Bulgren, J., & Lenz, K. (2009). *Strategy role match survey: Teachers' perceived roles in learning strategies*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Graner, P., Neduchal, J., Bulgren, J., Lenz, K., & Cheever, G. (2009). *Making content Enhancement make a difference*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J., & Lenz, K. (2009). *Taking stock of content enhancement*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Ellis, J.D., Bulgren, J., & Carlsen, K. (2009, April). *Design study methodology to develop an intervention to enhance scientific argumentation skills of middle school students*. Paper presented at the National Association for Research in Science Teaching, Garden Grove, CA.
- Ellis, J.D., & Bulgren, J. (2009). *Improving teaching of scientific argumentation skills*. Paper presented at the annual meeting of the Association for Science Teacher Educators, Hartford, CT.
- Bulgren, J.A. (2008, July). *The development of the argumentation and evaluation routine in inclusive science classes*. Poster presentation the annual international Strategic Instruction Model Conference, Kansas City, MO.
- Bulgren, J.A. (2008, July). *Using question exploration as a scaffold for essay writing*. Presentation at the annual international Strategic Instruction Model Conference, Kansas City, MO.
- Lenz, B.K., & Bulgren, J.A. (2008, July). *Making content enhancement make a difference: Let's find all the pieces to the puzzle*. Presentation at the annual international Strategic Instruction Model

- Conference, Kansas City, MO.
- Lenz, B.K., & Bulgren, J.A. (2008, July). *And now for the rest of the story: Strategic enhancers!* Presentation at the annual international Strategic Instruction Model Conference, Kansas City, MO.
- Bulgren, J.A., & Lenz, B.K. (2008, July). *High-quality Content enhancement implementation.* Presentation at the annual international Strategic Instruction Model Conference, Kansas City, MO.
- Bulgren, J.A. (2008, July). *Embedded and emerging strategies at Level I of the content literacy continuum.* Presentation at the annual international Strategic Instruction Model Conference, Kansas City, MO.
- Bulgren, J.A. (2008, June). *Learning for all with content enhancement.* Presentation at the University of Kansas School of Education/Kauffman Foundation, Strategies for Educational Improvement, NCLB 2008 and Beyond, Lawrence.
- Ellis, J.D., & Bulgren, J.A. (2007, September). *Materials to develop student knowledge and skills of scientific argumentation.* Presentation at the National Science Foundation Project Directors/Principal Investigators Conference, Washington, DC.
- Bulgren, J.A. (2007, July). *Content enhancement: What is "good" implementation?* Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A. (2007, July). *The link between content enhancement and literacy.* Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A. (2007, July). *Dish about data.* Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A. (2007, April). *The use and effectiveness of integrated content-enhancement routines in inclusive content-area classes.* Presentation at the annual meeting of AERA, Chicago, IL.
- Ellis, J.D., & Bulgren, J. (2006, September). *Teaching students scientific argumentation skills.* Presentation at the annual meeting of the Southwest Association for Science Teacher Education, Wichita, KS.
- Bulgren, J., Hock, M., Schumaker, J. & Deshler, D. (2006, July). *Xtreme reading: A new SIM reading course.* Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J. (2006, July). *Planning and teaching integrated sets of content enhancement routines in content area courses using GIST.* Presentation at the annual International SIM Trainers' Conference, Lawrence, KS.
- Bulgren, J.A. (2005, July). *Multiple development efforts in reading: The next generation of SIM reading strategies.* Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A. (2005, July) *Research on the development and use of content enhancements in secondary U.S. history classes: Comparison of different levels of professional material development support.* Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A. (2005, April). *Research on teaching tools for a variety of learning types.* Presentation at the Universal Design and STEM Education Conference sponsored by the Chemical Heritage Foundation. Philadelphia, PA.
- Bulgren, J.A. (2004, October). *Helping students to answer difficult questions in secondary content classes.* Paper presented at the Council for Learning Disabilities International Conference, Las Vegas, NV.
- Bulgren, J.A. (2004, July). *Teaching routines for subject-area teachers of secondary inclusive classes.* Paper presented at the OSEP Research & Leadership Project Directors' Meeting, Washington, DC.
- Bulgren, J.A., & Neduchal, J. (2004, July). *Integrating CE routines.* Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A., Hock, M.F., & Knight, J. (2004, July). *CE and strategic tutoring in algebra class.* Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A. (2004, April). *Teaching learning strategies in the core curriculum as part of the adolescent*

- content literacy continuum*. Paper presented at the annual Council for Exceptional Children Conference, New Orleans, LA.
- Ellis, J.D., & Bulgren, J.A. (2002, January). *Teaching science to students with high incidence disabilities*. Presentation at the AETS Annual International Conference, Charlotte, SC.
- Bulgren, J.A., & Lenz, B.K. (2002, July). *The question exploration routine*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A., Lenz, B.K., & McKnight, M. (2002, April). *The power of questions and graphic organizers in inclusive high school language arts courses*. Paper presented at the annual meeting of the Council for Exceptional Children, New York City.
- Bulgren, J.A. (2001-2002). Presentations to three school district science personnel for incorporation of routines into science.
- Bulgren, J.A., & Lenz, B.K. (2001, July). *Question exploration routine*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A. (2001, Fall). Science Education Classes. Ongoing instruction in University of Kansas science education courses, Lawrence.
- Bulgren, J.A. (2001, Spring). Workshops for university faculty at the University of Kansas, Lawrence.
- Bulgren, J.A., Lenz, B.K., & Schumaker, J.B. (2001, April). *Adapting curricular materials for inclusive secondary classrooms*. Workshop presentation at the annual meeting of the Council for Exceptional Children, Kansas City, MO.
- Schumaker, J.B., & Bulgren, J.A. (2001, April). *Support schools model*. Workshop presentation at the annual meeting of the Council for Exceptional Children, Kansas City, MO.
- Lenz, B.K., Nelson, B., & Bulgren, J.A. (2000, July). *Exploring the new content enhancement organizer interactive CD-ROM*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A. (1999, July). *Practicing the storage strand strategies*. Presentation at the annual international Strategic Instruction Model Conference, Lawrence, KS.
- Bulgren, J.A., & Lenz, B.K. (1999, April). *Integration of routines for planning and assessing through the use of content enhancement*. Paper presented at the annual meeting of the Council for Exceptional Children, Charlotte, NC.
- Lenz, B. K., & Bulgren, J. A. (1998). *Organization and integration of knowledge through the use of content enhancement routines*. Paper presented at the annual meeting of the Council for Exceptional Children, St. Paul, MN.
- Bulgren, J. A., Scanlon, D., & Lenz, B. K. (1997, April). *Ways of learning: Social and cognitive connections in secondary classrooms and beyond*. Paper presented at the annual meeting of the Council for Exceptional Children, Salt Lake City, UT.
- Bulgren, J.A., Scanlon, D., & Lenz, B.K. (1997, February). *Elements of strategic planning, presenting, and empowering for content learning*. Poster presented at the Pacific Coast Research Conference.
- Scanlon, D., & Bulgren, J.A. (1996, December). *Approaches that make a difference when students depict compare/contrast relationships*. Roundtable presented at the annual meeting of the National Reading Conference, Charleston, SC.
- Scanlon, D., Bulgren, J., Lenz, B.K., Schumm, J., & Lovitt, T. (1996, April). *Principles of effective inclusive education: Findings from classroom research*. Panel discussion at the annual meeting of the Council for Exceptional Children, Orlando, FL.
- Deshler, D.D., & Bulgren, J.A. (1996). *Instructional directions for gifted students with learning disabilities*. Presentation at the American Psychological Foundation Rosen Symposium.
- Bulgren, J.A., Lenz, B.K., Scanlon, D., & Clark, C. (1995). *Participatory research: Varied methodologies, issues, and findings in development and implementation of research partnerships involving teachers and researchers*. Paper presented at the annual meeting of the Council for Exceptional Children, Salt Lake City, UT.
- Scanlon, D.J., Lenz, B.K., Bulgren, J.A., Bos, C.S., & Borkowski, J. (1994, April). *Representing relationships: Four strategic approaches for secondary students with LD*. Roundtable presentation at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Bulgren, J.A., & Scanlon, D.J. (1993, November). *The role of strategies and content enhancement*

- procedures in mainstream settings*. Presentation at the annual meeting of the Kansas Chapter of the Learning Disabilities Association of America, Topeka, KS.
- Bulgren, J.A. (1993, April). *The development and use of teaching routines designed to promote curriculum restructuring and student involvement to enhance student learning*. Poster session presented at the annual meeting of the American Educational Research Association, Atlanta, GA
- Lenz, B.K., & Bulgren, J.A. (1992, October). *Research on how regular secondary teachers plan for inclusion and individualization*. Presentation at the Council for Learning Disabilities, Kansas City, KS.
- Scanlon, D.J., Bulgren, J.A., & Lenz, B.K. (September, 1992). *Strategies intervention model in regular education*. Cracker-barrel discussion at the National Strategies Intervention Model Trainers Meeting, Lawrence, KS.
- Deshler, D.D., & Bulgren, J. (March, 1991). *Redefining instructional directions for gifted students with learning disabilities*. Presentation at the American Psychological Foundation Esther Katz Rosen Symposium on the Psychological Development of Gifted Children: At Risk, At Promise, Lawrence, KS.
- Lenz, B.K., & Bulgren, J. A. (February, 1991). *Planning and teaching routines for enhancing the delivery of content in the regular education classroom*. Presentation at the Learning Disabilities Association of America International Conference, Chicago.
- Bulgren, J.A. (1991). *Memory patterns of people with learning disabilities*. Presentation at the annual Council for Exceptional Children Convention, Atlanta, GA.
- Brown, M.J., & Bulgren, J.A. (1989, April). *Math strategies for adolescents with learning disabilities*. Presentation at the annual Council for Exceptional Children Convention, San Francisco, CA.
- Bos, C.S., Bulgren, J., & Graves, A.W. (1988, March). *Facilitating concept development in content areas using interactive teaching strategies*. Presentation at the annual Council for Exceptional Children Conference, Washington, DC.
- Maheady, L., Greenwood, C.R., Carta, J., Arreaga-Mayer, C., & Bulgren, J.A. (1988, May). *Selection and validation of classroom interventions using ecobehavioral analysis*. Presentation at the annual Association for Behavioral Analysis Convention, Philadelphia, PA.
- Bulgren, J. (1987, November). *Learning to remember*. Presentation at the Kansas Association for Children with Learning Disabilities State Convention.
- Crank, J., Bulgren, J.A., Kea, C.D., Zimmerman, S.O., & Knackendoffel, E.A. (1987, April). *Helpful insights to planning student research based on experience by recent doctoral candidates*. Paper presented at the annual Council for Exceptional Children Conference, Chicago, IL.
- Bulgren, J. (1986, October). *The use of concept teaching diagrams and routines in content classes containing learning disabled students*. Presentation at the eighth international Conference on Learning Disabilities, Kansas City, MO.
- Bulgren, J. (March, 1986). *Concept teaching routines for use in mainstreamed classrooms*. Presentation at the Association for Children with Learning Disabilities International Conference, New York, NY.
- Bulgren, J., Kea, C., Knackendoffel, A., & Zimmerman, S. (1986, March). *Cooperative practices for regular and special education teachers to enhance effectiveness with mainstreamed students*. Presentation at the Association for Children with Learning Disabilities International Conference, New York, NY;
- Bulgren, J., Kea, C., Crank, J., & Putnam, L. (1985, July). *Learning disabilities: How to provide services without an LD specialist*. Presentation at the Association on Handicapped Student Service Programs in Post-Secondary Education (AHSSPPE) Conference, Kansas City, MO.
- Kea, C., Bulgren, J., & Crank, J. (1985, April). *Project ACSES: A post-secondary program for the learning disabled*. Presentation at the annual Council for Exceptional Children Conference, Anaheim, CA.
- Bulgren, J., Kea, C., Crank, J., & Putnam, L. (1984, October). *Project ACSES (achieving success through educational strategies): A post-secondary learning disabilities program*. Presentation at the international Conference on Learning Disabilities, Dallas, TX.
- Kea, C., Crank, J., Bulgren, J., & Strong, P. (1984, July). *Learning disabilities: New methods of assessment and direct student services*. Presentation at the Association on Handicapped Student

Service Programs in Post-Secondary Education (AHSSPPE) Conference, Kansas City, MO.
Bulgren, J., Kea, C., Crank, J., & Putnam, L. (1983, October). *Project ACSES (achieving success through educational strategies): A post-secondary learning disabilities program*. Presentation at the Kansas Association for Children and Adults with Learning Disabilities State Conference, Wichita, KS.

PATENTS:

Peer-Scored Communication in Online Environments (Patent Pending: 13KU035L-01)

INVENTIONS:

Reason Racer Game
Reason Racer Game on iOS
Discourse Scoring/Coding System
Science Test of Argumentation Knowledge (v. 1.0, 2.0)

WEBSITES:

Reason Racer Game: <http://www.reasonracer.com>
Professional Development Materials: <http://reasonracer.wikispaces.com>
NSF Social Media Group on Facebook: <https://www.facebook.com/groups/692091930818345>

SERVICE:

Publication Boards

<i>Guest Reviewer, School Science and Mathematics</i>	2014-present
<i>Review Board, Elementary School Journal</i>	2012-present
<i>Guest Reviewer, Learning Disability Quarterly</i>	2010
<i>Guest Reviewer, Teaching Exceptional Children</i>	2008
<i>Guest Reviewer, Journal of Teacher Education</i>	2007
<i>Guest Reviewer, Remedial and Special Education</i>	2007
<i>Guest Reviewer, Journal of Teacher Education</i>	2006
<i>Guest Reviewer, Journal of Educational Psychology</i>	2001
<i>Reviewer, Journal of Teacher Education</i>	1999-present
<i>Book Reviewer, Allyn & Bacon</i>	1999
<i>Reviewer, Learning Disabilities Research and Practice</i>	1997-present
<i>Editorial Board, Learning Disabilities Research & Practice</i>	1992
<i>Book Reviewer, Child Development Abstract and Bibliography</i>	1990

Administrative and Service Responsibilities: University of Kansas

Curriculum Developer, Professional Development Support Contract, Job Corps, U.S. Department of Labor	2011-2013
Teaching & Leadership 798: Teaching Scientific Argumentation in Mid-Level Science	Summer 2007
Teaching & Leadership 798: Teaching Scientific Argumentation in Mid-Level Science	Summer 2006
Chair, Content Enhancement Study Group, University of Kansas Center for Research Institute of Institute for Research on Adolescent Learning	2004-2005
Member search committee, Grant Specialist, University of Kansas Center for Research on Learning	2004-2005
Member of the Center for Science Education	2003-2012
University Committee Member, University of Kansas Center for Research on Learning 5-year review	2002
Chair, Search Committee, Human Resource Appointment, University of Kansas Center for Research on Learning	2002

Committee member, master's theses and projects, University of Kansas Schools of Education and Liberal Arts and Science	1986-2000
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Other Professional Services

Consultant, Education 2020 on Virtual and Blended Learning Environments	2012-2015
Consultant, Ellis & Friedman, NCLB grant	2004-2005
Grant review panel, OSEP	2003-2006
CEC Continuing Education Telephone Seminar Consultant	1999
Research Committee: Division of Learning Disabilities, Council for Exceptional Children	1998
Program Committee: Division of Learning Disabilities, Council for Exceptional Children	1996
North Central Accreditation Evaluation Committee: Shawnee Mission East High School, Shawnee Mission, KS	1994
Project Partnership Advisory Board	1994
Office of Special Education Programs Research Project Director's Conference: Discussion Leader, Curriculum Development, Adaptation and Evaluation	1994
Office of Special Education Programs Research Project Director's Conference: Literacy in the Middle and Secondary Schools Panel	1994
International Training Network: Instruction in Concept Comparisons	1994
North Central Accreditation Evaluation Committee: Wyandotte High School, Kansas City, KS	1993-1994
International Training Network: Instruction in Concept Anchoring	1993
Kansas Professional Development School	1993
Program Committee, Learning Disabilities Association of America	1992-1993
American Psychological Foundation Esther Katz Rosen Symposium on the Psychological Development of Gifted Children	1992
International Training Network: Instruction in Concept Mastery	1992
Council on Learning Disabilities Communications Task Force	1991-1994
International Training Network: Instruction in Remembering Devices	1991
Program Committee, Council for Exceptional Children, Division of Research	1990-1991
National conference participant, Information Center for Special Education Media and Materials Forum	1989
Grant reviewer, National Institutes of Health, Department of Health & Human Services (SBIR)	1989

HONORS:

Council for Learning Disabilities Award for Outstanding Research in Learning	1987
Phi Beta Kappa	1962