

CURRICULUM VITA

Amber Rowland, Ph.D.

University of Kansas

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UNIVERSITY ADDRESS

University of Kansas
Center for Research on Learning
1122 West Campus Road
JRP room 748
Lawrence, KS 66045

CURRENT APPOINTMENTS

Associate Research Professor, Center for Research on Learning, The University of Kansas

Co-Director, ALTEC, Advanced Learning Technologies, Center for Research on Learning, The University of Kansas

Co-Director, Literacy Network of Kansas, Virtual Instructional Coaching

EMPLOYMENT HISTORY

2012-2020 Assistant Research Professor, Center for Research on Learning, University of Kansas

2016-2019 External Evaluator, Center for Research on Learning, University of Kansas

2014-2018 Lead Instructional Coach/Project Director, Office of Special Education and Policy, Stepping Up Grant

2002-2013 Senior Project Lead, ALTEC, Advanced Learning Technologies, Center for Research on Learning, The University of Kansas.

2006-2012 Technology Rich Classroom (TRC) Project Coordinator, ALTEC Kansas State Department of Education Title IID Initiative.

2008 C&T 302: Integrating Technology into Middle-Secondary Education, Instructor, School of Education at The University of Kansas.

2006-2009 Enrichment Program Teacher, ALTEC and Southeast Kansas Education Service Center Greenbush Interactive Distance Learning Program Offerings.

2006-2007 Technology Rich Classroom Facilitator, ALTEC and Southeast Kansas Education Service Center, Independent Program Initiative at Greenbush.

2002-2003 Graduate Teaching Assistant, University of Kansas, Lawrence, KS

EDUCATION

DEGREE	SCHOOL	YEAR
Ph.D.	University of Kansas, Major: Curriculum and Instruction	2012
M.S.	University of Kansas, Major: Curriculum and Instruction	2003
B.S.	University of Kansas, Major: Elementary Education	2001

PUBLICATIONS

Major Publications

Rowland, A., Smith, S.J., & Lowrey, A.K. (2021). Connecting Evidence-Based Writing Strategies With Readily Available Technology Solutions. *TEACHING Exceptional Children*. 53(3). 253-255. doi:10.1177/0040059920954778

Rowland, A., Smith, S.J., & Lowrey, A. (2020). Aligning technology tools with the 6-Traits of Writing: Solutions to support struggling writers. *Journal of Special Education and Technology*. 10.1177/0162643420945600

Rowland, A., Smith, S. J., Lowrey, A.K. & Abdulrahim, N. A. (2020) Underutilized Technology Solutions for Student Writing. *Intervention in School and Clinic*. 56(2), 99-106. 10.1177/1053451220914893.

Carreon, A., Smith, S.J., Mosher, M., Rao, K. & **Rowland, A.** (2020). A Review of Virtual Reality Intervention Research for Students with Disabilities in K-12 Settings. *Journal of Special Education and Technology*. doi:10.1177/0162643420962011

Smith, S.J., Lowrey, A.K., **Rowland, A.** & Frey, B. (2020). Effective Technology Supported Writing Strategies for Learners with Disabilities. *Inclusion*. 8(1), 58-73. 10.1352/2326-6988-8.1.58.

*Carreon, A., Smith, S.J. & **Rowland, A.** (2019) Augmented Reality: Creating and Implementing Digital Classroom Supports. *Journal of Special Education Technology*. DOI: 10.1177/0162643419882423

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>

Craig-Hare, J., Ault, M., & **Rowland, A.** (2017). The Effect of Socioscientific Topics on Discourse within an Online Game Designed to Engage Middle School Students in Scientific Argumentation. *Journal of Education in Science, Environment and Health (JESEH)*, 3(2), 110–125. <https://doi.org/10.21891/jeseh.325783>

Craig-Hare, J., **Rowland, A.**, Ault, M., & Ellis, J. D. (2017). Practicing Scientific Argumentation Through Social Media. In I. Levin & D. Tsybulsky (Eds.), *Digital Tools and Solutions for Inquiry-Based STEM Learning* (pp. 82–111). Hershey, PA: IGI Global.

Greer, D. L., **Rowland, A.**, & Smith, S. J. (2014). Critical considerations for teaching students with disabilities in online environments. *TEACHING Exceptional Children*. May/June 2014 46: 79-91.

Rowland, A., Smith, S. & Basham, J. (2013). Integrating Technology through Universally Designed Professional Learning. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013*. Chesapeake, VA: AACE.

Rowland, A. (2012). Exploring How Conversations Meet Teacher Learning Needs. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 3043-3047). Chesapeake, VA: AACE.

Ault, M., Adams, D., **Rowland, A.**, Tiemann, G. (2010). *Targeted Educational Games: Fun and So Much More!* Refereed paper presented at annual meeting of the International Society for Technology in Education (ISTE). Denver, CO.

Isreal, M., Knowlton, E., Griswold, D., & **Rowland, A.** (2009). Application of video-conferencing technology in teacher education: Increasing understanding, engagement, and competence. *Journal of Special Education Technology*.

Rowland, A., & Stanley, M. (2008). Transforming the Classroom: TRC in Kansas. *T.H.E. Journal*, 35(7), 12.

Minor Publications

Rowland, A. (2020). *How virtual coaches support coachee selection of educational technology tools*. VECTOR Virtual Coaching: <https://www.vectorcoaching.org/blog>.

Myers, S., Elford, M., **Rowland, A.**, & Qian, X. (2020). *Coaching Teachers Virtually? Here's a Model for How to do it*. Literacy Network of Kansas. <https://www.litnetks.org/link-blog/2020/3/20/coaching-teachers-virtually-heres-a-model-for-how-to-do-it>

Rowland, A. (2018). Treatment Integrity. In B. Frey (Ed.), *The SAGE Encyclopedia of Educational Research, Measurement, and Evaluation*.

Myers, S. & **Rowland, A.** (2018). *The missing link: A common definition of instructional coaching*. The Literacy Network of Kansas, Kansas State Department of Education: <https://www.litnetks.org/link-blog>.

Smith, S. J. & **Rowland, A.** (2016). Improving Technology Application Through Writing Instruction: Multi-tasking at its best. *Closing the Gap*. Oct/Nov 2016 35(4): 9-14.

Works Submitted or Ready for Submission

Rowland, A., Myers, S., Elford, M. & Smith, S.. (under review). Coaching Virtually to Support Professional Learning. *Journal of Special Education and Technology*.

Elford, M.D., Qian, X., Monroe-Gulick, A., Myers, S., **Rowland, A.**, Yang, S., (2021). Coaching Virtually: A Systematic Review. Manuscript in preparation.

Myers, S., **Rowland, A.**, Elford, M.D. (2021, under contract). Implementing a virtual coaching model for teacher professional development. IGI Global.

Smith, S.J., **Rowland, A.**, Lowrey, A.K., & Frey, B. (under review). Blending Evidence-Based Strategies with Technology Supports for Middle School Writing. *Research in Middle Level Education*.

PRODUCTS

Rowland, A., Ellis, J., Ball, L., Mohn, J., Schwarting, J., Ault, M., Bradley, B., Bulgren, J., & Craig-Hare, J. (2018). *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. (2017). *Final 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).

Craig-Hare, J., **Rowland, A.**, Ellis, J., Bulgren, J., Ault, M., & Bradley, B. (2016). *Argumentation essay scoring rubric*. Lawrence, KS: University of Kansas.
Rubric used for demonstrating acquired scientific argumentation concepts

Ellis, J., Bulgren, J., **Rowland, A.**, Craig-Hare, J., Ault, M., & Bradley, B. (2015). *Argumentation and evaluation writing assignment scoring rubric*. Lawrence, KS: University of Kansas. Rubric used for demonstrating acquired scientific argumentation concepts.

Rowland, A. (2012). *Exploring How Conversations Meet Teacher Learning Needs* (Doctoral dissertation). Available from ProQuest Dissertations & Theses database. (UMI No. 3504065).

PRESENTATIONS

Rowland, A., Myers, S., & Elford, M. (March, 2021). [Multi-Presentation]. *Virtual Coaching - Yes You Can! A Job-Embedded, Personalized Professional Learning Model*. Annual Meeting of the Council for Exceptional Children (CEC): Virtual.

Mosher, M., Smith, S., **Rowland, A.**, Carreon, A., (March, 2021). *Social Skill Domain and Scenario Development and Implementation for Students with ASD and LD through Virtual Technology (VOISS)* [Presentation with Q&A]. Annual Meeting of the Council for Exceptional Children (CEC): Virtual.

- Rowland, A.,** Smith, S., Mosher, M., Carreon, A. (March, 2021). *Online Professional Learning: Supporting Educator Implementation of Virtual Reality to Facilitate Learning and Generalization of Social Competency Skills* [Poster session]. Annual Meeting of the Council for Exceptional Children (CEC): Virtual.
- Rowland, A.,** Smith, S.J., Carreon, A., & Mosher, M. (2021). *Successfully Supporting Educators Online as They Implement Virtual Reality to Facilitate Learning and Generalization of Social Competency Skills*. Presentation accepted the annual meeting of the Midwest Symposium for Leadership in Behavior Disorders (MSLBD), Kansas City, MO.
- Mosher, M., Carreon, A., **Rowland, A.,** & Smith, S.J. (2021). *Designing, Implementing, and Generalizing Social Skill Instruction Through Virtual Technology*. Presentation accepted the annual meeting of the Midwest Symposium for Leadership in Behavior Disorders (MSLBD), Kansas City, MO.
- Myers, S., Elford, M.D., **Rowland, A.,** (2021, Mar). Virtual coaching – Yes you can! A job-embedded, personalized professional learning model. Multi-Presentation Session. Council for Exceptional Children Conference, Virtual Event.
- Smith, S.J. & **Rowland, A.** (2020). *The Future is Now: Virtual Reality's Role in Developing Social Skills*. Presentation accepted for the annual meeting of OCALICON, Columbus, OH.
- Rowland, A.,** Myers, S., Smith, S.J. & Stock, J.. (2020, November). *6+1 Traits of Writing and the Technology Tools that Love Them*. Presentation accepted to the annual meeting of the International Society of Technology in Education (ISTE), Anaheim, CA.
- Rowland, A.,** Smith, S.J., & Carreon, A.. (2020, November). *Virtual Coaching – Yes You Can! A Job-Embedded, Personalized Professional Learning Model*. Presentation accepted to the annual meeting of the International Society of Technology in Education (ISTE), Anaheim, CA.
- Rowland, A.,** Smith, S.J., & Carreon, A.. (2020, November). *You Wanna Play? Virtual Reality for Social Emotional Learning*. Presentation accepted to the annual meeting of the International Society of Technology in Education (ISTE), Anaheim, CA.
- Myers, S., **Rowland, A.** & Clark, K., (2020, November). *Connecting the Dots in Dodge City: Instructional Coaching Impacts on Vocabulary Outcomes*. Presentation accepted to the annual meeting of the International Society of Technology in Education (ISTE), Anaheim, CA.
- Elford, M.D., Myers, S., & **Rowland, A.** (2020, Oct). VECTOR Virtual Coaching: A model for supporting educators (virtually) everywhere. A presentation at the FDLRS/FIN Annual Institute, Florida (Virtually).
- Smith, S., **Rowland, A.,** Carreon, A, and Mosher, M. (2020, February). *Giving Students a VOISS – Virtual Reality for Social Skills Development*. Presentation accepted for the annual meeting of the Council for Exceptional Children (CEC). Portland, OR.
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- Rowland, A. & Smith, S.** (2020, February). *Online Professional Learning to Support Students Who Struggle with Writing: Technology+Writing Strategies+Progress Monitoring.*. Presentation accepted for the annual meeting of the Council for Exceptional Children (CEC). Portland, OR.
- Rowland, A., Carreon, A. & Smith, S.** (2019, November). *Let's Get Digital: Integrating Technology Tools into Teacher Instruction.* Presentation given at the annual meeting of the Teacher Education Division, Council for Exceptional Children (CEC). New Orleans, LA.
- Rowland, A., Carreon, A. & Smith, S.** (2019, November). *Innovating the classroom: Mixed Reality Supports.* Presentation given at the annual meeting of the Teacher Education Division, Council for Exceptional Children (CEC). New Orleans, LA.
- Smith, S., Craig, S. & Rowland, A.** (2019, November). *Implementing Universal Design for Learning: Lessons Learners and Tips for Teachers.* Presentation given at the annual meeting of the Teacher Education Division, Council for Exceptional Children (CEC). New Orleans, LA.
- Myers, S. & Rowland, A.** (2019, October). *Exploring the LiNK: Finding a feasible model for instructional coaching.* Presentation given at the annual Kansas Department of Education (KSDE) Conference. Wichita, KS.
- Rowland, A. Smith, S., & Frey, B.** (2019, June). *Writing: the cross-curricular Cinderella of literacy; Progress monitoring: the glass slipper.* Presentation given at the annual meeting of the International Society of Technology in Education (ISTE), Philadelphia, PA.
- Rowland, A. & Smith, S.** (2019, February). *Digitizing Writing Instruction: Evidence on Improved Student Writing Outcomes.* Presentation given to the annual meeting of the Council for Exceptional Children (CEC). Indianapolis, IN.
- Rowland, A.** (2018, October). *Struggling writers: Teachers use progress monitoring, technology and strategies to help.* Presentation given at the annual meeting of the Kansas Association for Teachers of English (KATE). Wichita, KS.
- Rowland, A., Bradely, B., & Ellis J.** (2018, April). *Advancing Online and Blended Professional Development through NSF's DRK-12 Program: Enhancing Teaching and Learning with Social Media.* Poster presentation given for the annual meeting of the American Educational Research Association (AERA).
- Rowland, A. & Smith, S.** (2018, February). *Progress Monitoring + Effective Writing Strategies + Technology Solutions = Improved Student Writing Outcomes.* Presentation at the annual meeting of the Council for Exceptional Children (CEC). Tampa, FL.
- Rowland, A. & Smith, S.** (2017, November). *Teacher Instruction + Technology + Strategies = Improved Writing Instruction & Student Outcomes.* Presentation given at the annual meeting of the Teacher Education Division, Council for Exceptional Children (CEC). Savannah, GA.
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- Rowland, A.** (2017, July). *The Perfect Practical Pairing: Writing Strategies and Technology Solutions*. Invited presentation at the Center for Research on Learning Conference, Lawrence, KS.
- Rowland, A., & Craig-Hare, J.** (2017, June). *State Standards Require Argumentation: Gaming, Social Media and Virtual Reality Can Help!* Presentation at the annual meeting of the International Society for Technology in Education (ISTE). San Antonio, TX.
- Rowland, A., Smith, S., & Stock, J.** (2017, June). *Technology Paired with Learning Strategies: Better than Chocolate and Peanut Butter!* Presentation at the annual meeting of the International Society for Technology in Education (ISTE). San Antonio, TX.
- Craig-Hare, J. & Rowland, A.** (2017, June). *Coaching at the CORE*. Presentation at the annual meeting of the International Society for Technology in Education (ISTE). San Antonio, TX.
- Smith, S. & Rowland, A.** (2017, June). *Beyond Pokemon: Virtual and Augmentative Reality for STEM*. Presentation at the annual meeting of the International Society for Technology in Education (ISTE). San Antonio, TX.
- Rowland, A.** (2017, March). *Learning Strategies and Technology...Chocolate and Peanut Butter...Perfect Pairings!* Presentation at MidAmerica Association for Computers in Education (MACE), Manhattan, KS.
- Rowland, A. & Smith, S.** (2017, January). *The Perfect Practical Pairing: Writing Strategies and Technology Solutions*. Presentation at the annual meeting of the Assistive Technology Industry Association (ATIA), Orlando, FL.
- Rowland, A., & Craig-Hare, J.** (2016, June). *Coaching LeaderSHIP: Strategies, Higher-Order Thinking, Instructional Technology and Partnerships*. Presentation at the annual meeting of the International Society for Technology in Education (ISTE) in the Ed Tech Coaches PLN Playground, Denver, CO.
- Rowland, A., & Craig-Hare, J.** (2016). *How the Next Generation Can Practice Argumentation: Social Media and Gaming*. Research paper presented at the annual meeting of the International Society of Technology in Education (ISTE), Denver, CO
- Smith, S. J., Rowland, A., & Craig-Hare, J.** (2016, June). *How personalized is personalized learning?* Presentation at the annual meeting of the International Society for Technology in Education (ISTE), Denver, CO.
- Rowland, A., Ellis, J., Craig-Hare, J., Ault, M. & Bradley, B.** (2016, June). *Enhance Teaching and Learning with Social Media: Supporting Teacher Learning and Student Scientific Argumentation*. Poster session presented at the 2016 DR K-12 PI Meeting for the National Science Foundation: Washington, DC.
- Craig-Hare, J., & Rowland, A.** (2016, May). *Argumentation & Reasoning: Resources to Support Engaging Students in Meaningful Discourse*. Presentation at the Olathe Public Schools Summer Conference, Olathe, KS.
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- Rowland, A.** (2016, March). *Technology Solutions to Enhance Student Engagement and Interactivity*. Professional Development Schools Seminar, Lawrence, KS.
- Craig-Hare, J., & **Rowland, A.** (2016, March). *Techno-Tidying: Tips for Getting and Staying Digitally Organized*. MidAmerica Association for Computers in Education (MACE), Manhattan, KS.
- Craig-Hare, J., & **Rowland, A.** (2016, March). *The Wild West of One-to-One*. MidAmerica Association for Computers in Education (MACE), Manhattan, KS.
- Rowland, A.,** & Craig-Hare, J. (2016, March). *Effective Reasoning: Helping Students Identify, Evaluate and Support Claims*. MidAmerica Association for Computers in Education (MACE), Manhattan, KS.
- Rowland, A.** (2016, January) *iPad Launch*. Invited half-day workshop given at the University of Kansas, School of Music Faculty Retreat.
- Rowland, A.,** Ellis, J., Ault, M., Craig-Hare, J., Ball, L., Mohn, J., & Schwarting, J. (2015, December) *Practice Scientific Argumentation through Gaming and Social Media*. Presentation at the NSTA Regional KC conference. Kansas City, MO.
- Rowland, A.,** Stock, J., Buss, C., & Collins-Johnson, A. (2015, October). *Standards, Professional Learning & Technology*. Presentation at the annual Kansas Department of Education (KSDE) Conference. Wichita, KS.
- Rowland, A.,** Craig-Hare, J., & Ault, M. (2015, October) *Supporting Student Argumentation and Discourse*. Presentation at the annual Kansas Department of Education (KSDE) Conference. Wichita, KS.
- Rowland, A.,** Craig-Hare, J., & Ault, M. (2015, July). *Model Lesson: Real-World Scenarios, Social Media & Game-Based Learning*. Invited presentation given at the Strategies for Educational Improvement Conference, Lawrence, KS.
- Craig-Hare, J., **Rowland, A.,** & Ault, M. (2015, July). *Argumentation: Supporting Classroom Discourse with Evidence & Claims*. Invited presentation given at the Strategies for Educational Improvement Conference, Lawrence, KS.
- Rowland, A.,** Collins-Johnson, A., Stock, J., Buss, C. (2015, June). *Common Core, Professional Learning and Technology: Achieving the ISTE Standards for Teachers*. Presentation given at the annual meeting of the International Society for Technology in Education (ISTE). Philadelphia, PA.
- 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.
- Rowland, A.** (2015, April). *Technology Trends in Teaching and Learning*. Pre-service teacher presentation at the University of Kansas, Lawrence, KS.
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- Smith, S., Harvey, S. & **Rowland, A.** (2015, April). *Common Core + Writing + Effective Technology Tools = Success!* Presented at the annual Council for Exceptional Children (CEC) Conference, San Diego, CA.
- Rowland, A.**, Buss, C., Collins-Johnson, A., Stock, J. (2015, March). *Common Core, Professional Learning and Technology: It's How We Do!* Presented at the Mid-America Association for Computers in Education (MACE), Manhattan, KS.
- Ellis, J., **Rowland, A.**, Ault, M., Bulgren, J., Bradley, B. & Craig-Hare, J. (2015, January). *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.** (2014, November). *Technology Trends in Education.* Pre-service teacher presentation at the University of Kansas, Lawrence, KS.
- Rowland, A.** (2014, November). *Secondary Science: Technology Enhancements.* Pre-service teacher presentation at the University of Kansas, Lawrence, KS.
- Rowland, A.** (2014, August). *Exploring the Possibilities: iPads Enhance Teaching & Learning.* Invited to lead a half-day iPad integration workshop for Baldwin USD 348, Baldwin, KS.
- Rowland, A.**, Ellis, J., Craig-Hare, J., Ault, M. & Bradley, B. (2014, August). *Enhance Teaching and Learning with Social Media: Supporting Teacher Learning and Student Scientific Argumentation.* Poster session presented at the 2014 DR K-12 PI Meeting for the National Science Foundation: Washington, DC.
- Rowland, A.**, Craig-Hare, J., Ault, M., Bradley, B. & Ellis, J. (2014). *Our Claim: Social Media Might Facilitate The Practice Of Scientific Argumentation.* Paper presentation given at the annual meeting of the International Society for Technology in Education (ISTE). Atlanta, GA.
- Craig-Hare, J., **Rowland, A.**, & Ault, M. (2014, July). *Resources for the Practice of Scientific Argumentation: Gaming and Social Media.* Invited to present at the International Strategic Instruction Model (SIM) Conference, Lawrence, KS.
- Craig-Hare, J., **Rowland, A.**, & Ault, M. (2014, June). *Resources for the Practice of Scientific Argumentation: Gaming and Social Media.* Presentation given at the Lawrence Public Schools Annual Summer Symposium, Lawrence, KS.
- Rowland, A.** (2014, January). *Facilitating the Practice of Scientific Argumentation through Social Media.* Presentation given at School of Education Faculty Research Conference. Lawrence, KS.
- Rowland, A.** & Craig-Hare, J. (October, 2013). *Responding to the New Standards: Student Collaboration and Argumentation.* Greenbush Technology Conference, Eudora, KS.
- Craig-Hare, J. & **Rowland, A.** (May, 2013). *Building Your Personal Learning Network (PLN) with Twitter.* Lawrence Public Schools USD 497 Administrator Workshop, Lawrence, KS.
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- Rowland, A.** (2013, June). *Empowering our Collective Capacity: An Exercise in Crowdsourcing*. Invited presentation given at The Hybrid Learning Consortium, Summer Symposium, Kansas City, MO.
- Rowland, A. & Craig-Hare, J.** (2013, June). *APPy Hour: Give & Get Field-Tested Strategies & Resources*. Invited presentation given at the Strategies for Educational Improvement Conference, Lawrence, KS.
- Rowland, A., Craig-Hare, J. & Adams, D.** (2013, June). *All Aboard the Professional Developers Train*. Invited presentation given at the Strategies for Educational Improvement Conference, Lawrence, KS.
- Rowland, A.** (2013, March). *Integrating Technology Through Universally Designed Professional Learning*. Refereed presentation given at Society for Information Technology & Teacher Education (SITE) International Conference, New Orleans, LA.
- Rowland, A.** (2013, March). *App Swap: Give and Get Field-Tested iPad, iPhone, & iPod Integration Ideas*. Presentation given at the annual meeting of the Mid-America Association for Computers in Education (MACE), Manhattan, KS.
- Rowland, A.** (2013, January). *Teacher Professional Learning through Conversations: Creating Technology-Enhanced Student-Centered Instruction*. Presentation given at School of Education Faculty Research Conference, Lawrence, KS.
- Rowland, A.** (2013, January). *Exploring the Possibilities: iPads Enhance Teaching & Learning*. Invited to conduct a half-day iPad integration workshop for Baldwin USD 348, Baldwin, KS.
- Rowland, A., Craig-Hare, Ault, M.** (2012, November). *Enhancing Engagement & Higher-Order Thinking Through Games*. The University of Kansas Center for Research on Learning CRL Learns Workout, Lawrence, KS.
- Rowland, A.** (2012, October). *Online Professional Collaboration*. Invited presentation given at Igniting Instruction through Technology Conference, Eudora, KS.
- Rowland, A.** (2012, October). *Exploring the Good Stuff!* Invited presentation given at Igniting Instruction through Technology Conference, Eudora, KS.
- Rowland, A.** (2012, July). *Vertical and Cross-Curricular Teaming*. Invited to serve as panelist for the Computer Science Teachers Association meeting, Wichita, KS.
- Rowland, A.** (2012, June). *Teachers Tell All: Exploring Conversation As a Professional Learning Strategy*. Paper presentation given at the annual meeting of the International Society for Technology in Education (ISTE), San Diego, CA.
- Rowland, A.** (2012, March). *Exploring How Conversations Meet Teacher Learning Needs*. Refereed presentation given at Society for Information Technology & Teacher Education (SITE) International Conference, Austin, TX.
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- Rowland, A.,** Gilley, T. (2011, June). *Interactive NETS: Free Resources and Projects for Digital Age Learning*. Invited, national conference hands-on, half-day workshop given at the annual meeting of the International Society for Technology in Education (ISTE), Philadelphia, PA.
- Rowland, A.,** (2011, June). *Tips for Coaches*. Invited presentation given at the annual meeting of the International Society for Technology in Education (ISTE), Philadelphia, PA.
- Stanley, M. & **Rowland, A.** (2011, January). *Critical Elements for Creating 21st Century Schools*. Presentation given at annual meeting of United School Administrators (USA) of Kansas annual convention, Wichita, KS.
- Rowland, A.,** Gilley, T. (2010, June). *Interactive NETS: Free Resources and Projects for Digital Age Learning*. Refereed presentation given at the annual meeting of the International Society for Technology in Education (ISTE), Denver, CO.
- Rowland, A.,** Farmer, M. (2010, March). *Filling your NETS*S: Free Resources and Projects for Digital Age Learning*. Presentation given at the Mid-America Association for Computers in Education (MACE), Manhattan, KS.
- Rowland, A. &** Craig Hare, J. (2009, December). *Web-based Resources for 21st Century Professional Development*. Refereed presentation given at the annual meeting of the National Staff Development Council (NSDC), St. Louis, MO.
- Rowland, A. &** Gilley, T. (2009, October). *21st Century Classrooms: Today's Students, Tomorrow's World*. Presentation given at KS State Department of Education's Assessment Conference, Topeka, KS.
- Rowland A.** (2009, July). *Partnership for 21st Century*. Invited presentation given at the iConnectiLearn Conference, Hutchinson, KS.
- Rowland, A.** (2009, June). *The Ultimate Teacher Toolbox: Free Web-based Resources for Teachers!* Presentation given at the Kansas University, School of Education Conference, Lawrence, KS.
- Rowland, A.** (2008, June). *The Best Free Stuff on the Web: Tools for Teachers*. Refereed presentation given at the National Education Computing Conference (NECC), San Antonio, TX.
- Rowland, A.** (2008, June). *Technology Rich Classrooms in Kansas*. Refereed presentation given at the National Education Computing Conference (NECC), San Antonio, TX.
- Rowland, A.** (2007, July). *Gaming in Education: Curriculum Integration and Assessment Preparation*. Presentation given at the the Mid-America Technology (MTI) Conference, Bonner Springs, KS.
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TEACHING

University of Kansas

Course Number & Title	Sem/Year	#Enrolled
SPED 326 Teaching Exceptional Children & Youth in General Education	Spring 2021	20
SPED 326 Teaching Exceptional Children & Youth in General Education	Fall 2021	14
SPED 326 Teaching Exceptional Children & Youth in General Education	Spring 2020	23
SPED 326 Teaching Exceptional Children & Youth in General Education	Spring 2020	20
SPED 326 Teaching Exceptional Children & Youth in General Education	Fall 2019	20
SPED 326 Teaching Exceptional Children & Youth in General Education	Spring 2019	25
SPED 326 Teaching Exceptional Children & Youth in General Education	Fall 2018	12
SPED 326 Teaching Exceptional Children & Youth in General Education	Spring 2018	22
SPED 326 Teaching Exceptional Children & Youth in General Education	Fall 2017	23
SPED 326 Teaching Exceptional Children & Youth in General Education	Spring 2017	24
SPED 326 Teaching Exceptional Children & Youth in General Education	Fall 2016	24

PROFESSIONAL ASSOCIATIONS

- Society for Information Technology in Teacher Education (SITE)
- American Educational Research Association (AERA)
- Kansas Association for Interactive Distance Education (KAIDE) – Board Member, Former
- International Society for Technology in Education (ISTE)
- National Science Teachers Association (NSTA)
- Council for Exceptional Children (CEC)

HONORS AND AWARDS

- University of Kansas, Woman of Distinction 2016-2017
 - Completed Dissertation with Honors 2012
 - University of Kansas, Outstanding Staff Award 2011
 - National School Board Association, 20 to Watch Recipient 2008
 - Technology in Action Article of the Year within Journal of Special Education Technology* 2020
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SERVICE

University Service

- KU School of Education Faculty Camp Director 2016-present
- KU School of Education Teacher Technology Camp Facilitator 2015 (July)
- KU School of Education Faculty Technology Camp Facilitator 2015 (May)
- KU School of Education Teacher Technology Camp Facilitator 2014 (August)
- KU School of Education Faculty Technology Camp Director 2014 (May)
- KU School of Education Teacher Technology Camp Director 2013 (June)
- KU School of Education Faculty Technology Camp Director 2013 (May)
- KU School of Education Faculty Technology Camp Director 2012 (May)
- Faculty Assembly Student Representative, KU School of Education 2008-2012

Center for Research on Learning

- ALTEC Mobile Learning Mini-Conference Facilitator 2013 (July)
- ALTEC Mobile Learning Mini-Conference Director 2012 (December)
- ALTEC Mobile Learning Mini-Conference Director 2012 (December)
- ALTEC Mobile Learning Mini-Conference Facilitator 2011 (December)

Professional Service

International

- Reviewer, *20 to Watch Awards*, NSBA 2014-present
- Reviewer, *Research Papers*, ISTE 2008-present
- Reviewer, *National Science Foundation Panelist* 2016 (February)
- Reviewer, *National Science Foundation Panelist* 2016 (March)
- Reviewer, *National Science Foundation Ad-Hoc Reviewer* 2016 (September)
- Volunteer Presider, Bring Your Own Device (BYOD), ISTE 2015 (June)
- Volunteer Presider, Model Lesson Session, ISTE 2012 (June)

Regional

- Regional Judge, eCyberMission 2013
- Board of Directors, KAIDE 2007-2012

Local

- Life Span Institute (LSI) Web Design Committee 2020-2021
 - Digital Innovations Workgroup, University of Kansas 2016
 - Productive Scholars Writing Group, University of Kansas 2012-2014
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GRANT PROPOSALS

Funded Proposals

Hock, M. (Principal), Wehmeyer, M., Shogren, K., **Rowland, A.** & Myers, S. (Co-Principals) *Possible Selves and Self-Determination: Improving Transition Outcomes for High School Students with Disabilities*. U.S. Department of Education (84.324A Goal 3). \$3,293,003 Submitted August, 2018 (07/01/2019-06/30/2024).

Smith, S. (Principal), **Rowland, A.**, & Frey, B. (Co-Principals). *Project VOISS: Virtual reality Opportunities to Implement Social Skills*. U.S. Department of Education, Office of Special Education and Policy, Stepping Up. \$2,495,311, Submitted August, 2018 (11/01/2018-10/31/2023).

Myers, S., Hock, M., James, J. & **Rowland, A.** (Co-Investigators), *Kansas Striving Readers Comprehensive Literacy Initiative*. US Department of Education. \$27,000,000, Submitted August, 2017 (10/01/2017 – 09/30/2021). *note – KU-CRL team was actively involved in the submission of this entire proposal, but the subcontract to KU was for \$217,588 due to agency restrictions.

Rowland, A. (Principal), Craig-Hare, J., & Ault, M. (Co-Principals). *Professional Learning and Evaluation of Chromebook Initiative*. USD 464, Tonganoxie \$5,410, Submitted January, 2017 (01/15/17 – 12/31/20).

Ellis, J. D. (Principal), **Rowland, A.**, Bulgren, J., Ault, M. (Co-Principals), & Craig-Hare, J. (Researcher/Evaluator). *Enhancing Argumentation with Social Media: Supporting Teacher Professional Learning and Student Science Practice*. National Science Foundation DRK-12. \$429,784 Submitted December, 2012 (08/01/2013 – 07/31/2016).

Craig-Hare, J. (Principal), Ault, M., **Rowland, A.**, & Smith, S. (Co-Investigators). *Evaluation of Learning Forward, Future Ready Middle School Initiative*. USD 497, Lawrence \$25,060, Submitted September 16, 2016 (09/01/ 2016 – 07/31/2017).

Craig-Hare, J. (Principal), Ault, M., **Rowland, A.**, & Smith, S. (Co-Investigators). *Evaluation of Learning Forward, Future Ready High School Pilot Project*. USD 497, Lawrence \$9,682, Submitted September 16, 2016 (09/01/2016 – 07/31/2017).

Smith, S. (Principal), Basham, J., Deshler, D., & **Rowland, A.** (Co-Principals), *Sustainable Implementation of Innovations for Student Achievement*. U.S. Department of Education, H327S120019. \$2,499,969, Submitted July, 2012 (08/01/2013-07/31/2016).

Proposals Under Review

Smith, S. (Principal), Washburn, J., Myers, S., & **Rowland, A.** (Co-Principals). *Project WRITE-APLM*. U.S. Department of Education, Office of Special Education and Policy, Stepping Up. \$2,495,311, Submitted February, 2021 (11/01/2021-10/31/2026).

Bulgren, J. (Principal), Myers, S., Washburn, J. & **Rowland, A.** (Co-Principals). *Developing an Adaptive Professional Learning Model to Improve Student Outcomes in Biology Classes*. National Science Foundation (Discovery Research PreK-12) \$1,754,808, Submitted November, 2020 (07/01/2021 – 06/30/2025).

Other Proposals Submitted, Not Funded

Rowland, A. (Principal), Myers, S., Smith, S. Frey, B., & Washburn, J. (Co-Principals). *EmpowerED Professional Learning: A Virtual Coaching Model, Platform, App and Network*. U.S. Department of Education, Office of Special Education and Policy, Stepping Up. \$2,500,000, Submitted August, 2020 (11/01/2020-10/31/2025).

Robinson, S., (Principal), Smith, S. , Gillispie, M. & **Rowland, A.** (Co-Principals). *The University of Kansas Special Education & Speech-Language Pathology Alliance (SESLPA): Intensive Digital Language and Literacy Interventions*. U.S. Department of Education (84.325K Focus Area B). \$1,250,000, Submitted August, 2020 (06/01/2021-05/31/2026).

Myers, S. (Principal), Jackson, D., Washburn, J. (Co-Principals) & **Rowland, A.** (Project Advisor). *Sustaining Coaching Systems to Support the High-Leverage Practices to Improve Outcomes for Students with Disabilities*, U.S. Department of Education, \$1,597,300, Submitted May, 2020 (10/01/2020-09/30/2024).

Myers, S. (Principal), Washburn, J., **Rowland, A.**, Bulgren, J. & Hock, M. (Co-Principals). *Development and Pilot Study for a Comprehensive Adolescent Blended Writing Program*. U.S. Department of Education (Institute of Education Sciences). \$4,000,000, Submitted August 2019 (07/01/2020 – 06/30/2024).

Myers, S. (Principal), James, J., & **Rowland, A.** (Co-Principals). *Virtual Instructional Coaching as a Vehicle for Equity in Rural Schools' STEM Instruction*. U.S. Department of Education (Education Innovation and Research). \$4,000,000, Submitted April, 2019 (10/01/2019-9/30/2024).

Kennedy, M. (Principal), Fleming, K. (Co-Principal), Swinburne-Romine, R., & **Rowland, A.** (Co-Investigators). *Evaluating Impact of a Multimedia Professional Development Process on Teaching and Student Learning Within Inclusive Middle School Science Classrooms*. University of Virginia/U.S. Department of Education (84.324A Goal 3). \$1,261,663, (08/01/2019-07/31/2024).

Robinson, S. (Principal), Smith, S., Gillispie, M. (Co-Principals) & **Rowland, A.** (Project Coordinator). *The University of Kansas Special Education & Speech-Language Pathology Alliance (SESLPA): Intensive Digital Language and Literacy Interventions*. U.S. Department of Education (84.325K Focus Area B). \$1,250,000, Submitted August, 2018 (06/01/2019-05/31/2024).

Smith, S. (Principal), **Rowland, A.**, Craig-Hare, J., & Frey, B. (Co-Principals). *Developing*

Science Social Competence Opportunities through Virtual Reality (DSSCOVR). National Science Foundation, DRL-ITEST. \$1,200,000, (08/01/2018 – 06/30/2022).

Rowland, A. (Principal) & Hock, M. (Co-Investigator). *Project THRIVE (Targeting Healthy Resiliency in Vested Educators)*. College of St. Rose/U.S. Department of Education (84.325K Focus Area B). \$124,948, (10/01/2018-9/30/2023).

Smith, S. (Principal), **Rowland, A.**, Hock, M., Frey, B., Elford, M. (Co-Principals), Graner, P., Craig-Hare, J. (Co-Investigators). *Virtual Online Instructional Coaching for Educators (VOICE): Supporting Teachers as they Identify, Learn, and Improve Instruction*. Institute of Education Sciences. \$1,398,106, Submitted August, 2017 (07/01/2018 – 06/30/2021).

Rowland, A. (Principal), Craig-Hare, J., Ellis, J., & Smith, S. (Co-Principals). *Increasing Access to NGSS with Virtual Reality: Teacher Professional Learning to Support Student Social Competence Development*. National Science Foundation (Discovery Research PreK-12) \$1,499,981, Submitted December 2016 (08/01/2017 – 07/31/2020).

Ault, M. (Principal), Craig-Hare, J. (Co-Principal), & **Rowland, A.** (Co-Principal). *USA CAC Omnibus solicitation*. Trideum and US Army Combined Arms Center \$505,133, Submitted November 2, 2016 (01/01/17 – 12/31/21).

Craig-Hare, J. (Principal), **Rowland, A.**, Ault, M., & Smith, S. (Co-Principals). *Digital Learning Environments: A Future-Ready Implementation Partnership*. Department of Education: Institute of Education Sciences \$399,927, Submitted August 2016 (08/01/2017 – 07/31/2019).

Smith, S. (Principal), **Rowland, A.**, Craig-Hare, J. (Co-Principals). *Virtual Online Instructional Coaching for Educators (VOICE): Supporting Teachers as they Identify, Learn, and Improve Instruction*. Department of Education: Institute of Education Sciences \$1,400,000, Submitted August 2016 (07/01/2017 – 06/30/2020).

Smith, S. (Principal), **Rowland, A.**, Craig-Hare, J., & Frey, B. (Co-Principals). *Developing Science Social Competence Opportunities through Virtual Reality (DSSCOVR)*. National Science Foundation (EHR Core Research) \$1,481,251, Submitted September 2016 (01/01/2017 - July 12/31/2019).

Hock, M. (Principal), Elford, M. (Co-Principal), **Rowland, A.** (Dissemination Specialist). *Regional Education Laboratory Central*. Institute of Education Sciences, Department of Education \$24,180,000, Submitted April 2016 (01/03/2017 – 04/02/2022).

Smith, S. (Principal), **Rowland, A.**, Craig-Hare, J., Frey, B., & Travers, J. (Co-Investigators). *Stepping Up – VOISS: Virtual reality Opportunities for Implementation of Social Skills*. Office of Special Education and Rehabilitative Services, Department of Education. \$2,499,999, Submitted April 2016 (09/01/2016 – 08/31/2021).

Smith, S. (Principal), **Rowland, A.**, Ault, M., Craig-Hare, J., & Ellis, J. (Co-Principals). *Talk Like a Scientist: Virtual Reality Fosters the Learning and Practice of Scientific Argumentation for All Students*. National Science Foundation: Cyberlearning & Future Learning Technologies \$549,988, Submitted December 2015 (08/01/2016 – 07/31/2018).

Leko, M. (Principal), Travers, J., Huffman, D., Thomas, K., Skorupski, W. (Co-Principals), Craig-Hare, J. & **Rowland, A.** (Non-teaching Research Faculty). Project VISION: *Viable Inclusive Science Instruction with Online Teacher Networking*. National Science Foundation (EHR Core Research) \$497,999, Submitted September 2015 (08/01/2016 – 07/31/2019).

Thomas, K. (Principal), Ault, M., Craig-Hare, J., **Rowland, A.** (Co-Principals). *Discourse Driven Mathematical Learning: Exploring Features of Online Environments that Support Dialogic/Collaborative Learning as Professional Development and Student Learning Models*. Department of Education: Institute of Education Sciences \$1,397,730, Submitted August 2015 (08/01/2016 – 07/31/2020).

Craig-Hare, J. (Principal). **Rowland, A.**, & Ault, M. (Co-Principals). *Supporting Academics through Digital Learning Environments: A Research-Practitioner Partnership*. Department of Education: Institute of Education Sciences \$399,102, Submitted August 2015 (08/01/2016 – 07/31/2018).
