

Catherine Elizabeth Raulston, Ph.D.

University of Montevallo

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ACADEMIC AND PROFESSIONAL PREPARATION

EDUCATION

The University of Alabama, Tuscaloosa, AL (August 2009)

Doctor of Philosophy in Instructional Leadership with an emphasis in Technology, 4.0 GPA

Dissertation: Analyses of Teachers' Perceptions and Attitudes of a Teacher Laptop Initiative

The University of Alabama, Tuscaloosa, AL (May 2006)

Education Specialist in Special Education with an emphasis in Gifted Education, 4.0 GPA

The University of Alabama, Tuscaloosa, AL (May 2003)

Master of Arts in Special Education with an emphasis in Gifted Education, 4.0 GPA

The University of Alabama, Tuscaloosa, AL (December 2001)

Bachelor of Science in Elementary Education/Early Childhood, 3.82 GPA

CERTIFICATIONS

Educational Administrator P-12 (Class A)

Special Education: Gifted P-12 (Class AA)

Collaborative Special Education Teacher K-6 (Class A)

Special Education: Gifted P-12 (Class A)

Early Childhood P-3 (Class B)

Elementary K-6 (Class B)

EXPERIENCE AND EMPLOYMENT HISTORY

PROFESSIONAL EXPERIENCE

- August 2012 – present Associate Professor of Elementary Education & Instructional Technology
Department of Teaching, Leadership, & Technology, College of
Education—University of Montevallo
- August 2009 – July 2012 Adjunct Professor of Education, College of Education—
University of Montevallo
- August 2009 – December 2011 Adjunct Professor of Education, College of Education—
The University of Alabama

ADDITIONAL PROFESSIONAL EXPERIENCE

- August 2006 – July 2012 Instructional Technology Specialist, Vestavia Hills Elementary
School Central—Vestavia Hills City Schools
- January 2003 – August 2006 Gifted Education Specialist, Vestavia Hills Elementary
School Central—Vestavia Hills City Schools
- August 2006 – June 2009 Graduate Teaching Assistant, College of Education—
The University of Alabama
- January 2002 – May 2006 Graduate Research Assistant, College of Education—
The University of Alabama

COURSES TAUGHT

The University of Montevallo

- ED 446/546 Methods and Materials for Teaching Language Arts
- ED 447/547 Technology for Today's Classroom
- ED 504 Innovative Instructional Design
- ED 527 Computer-Based Instructional Technologies
- ED 528 Multimedia Technology in Education
- ED 529 Curriculum Integration of Technology
- ED 570 Special Topics in Technology (Online Delivery)
- ED 601 Instructional Design and Development (Online Delivery)
- ED 602 Technology Training, Coaching, and Mentoring (Online Delivery)
- ED 610 Teaching and Managing Distance Education (Online Delivery)
- ED 629 Survey of Instructional Technology Leadership (Online Delivery)
- EDI 460 Internship for Collaborative/Elementary Education

EDI 470 Internship for Elementary Education
SPED 408/508 Exceptional Learners in the Early Childhood and Elementary Classroom (Online)
EDL 577 Technology for School Leaders (Online Delivery)
EDL 677 Technology for School Leaders (Online Delivery)

The University of Alabama

CAT 520 Computer Graphics Education
CAT 250 Computer Education: Curriculum Development
CAT 200 Computer Based Education

PROFESSIONAL DEVELOPMENT TEACHING

Alabama Learning Exchange (ALEX) Navigator Training
Podcast Camp: Windows
Podcast Camp: Mac
Professional Social Networking for Educators
iPad Power Up for Productivity
iPad Power Up for Teachers
Group Projection Tools
Web-Based Tools for Teaching and Learning
Video in the Classroom

Alabama State Department ACCESS Program

Podcasting Webinar

SCHOLARLY ACTIVITIES

PUBLICATIONS

Alexiou-Ray, J., Raulston, C., Fenton, D., & Johnston, S. (2018). Coding: Coding in the K-12 Classroom. In A. Ottenbreit-Leftwich & R. Kimmons, *The K-12 Educational Technology Handbook*. [EdTechBooks.org](http://edtechbooks.org/k12handbook/coding_in_k-12). Retrieved from http://edtechbooks.org/k12handbook/coding_in_k-12

Raulston, C., & Alexiou-Ray, J. (2018). *Preparing More Technology-Literate Preservice Teachers: A Changing Paradigm in Higher Education*. *The Bulletin: International Journal for Professional Educators*.

Raulston, C. (2017). Learning about Body Organs. Learning Activity on ALEX. Retrieved from https://alex.state.al.us/learningasset_view.php?asset_id=37

Raulston, C. (2017). Taking a Closer Look at Plants. Learning Activity on ALEX. Retrieved from https://alex.state.al.us/learningasset_view.php?asset_id=43

Raulston, C. & Wright, V. (2010). Teachers Perceptions and Attitudes of One Teacher Laptop Initiative: Connections Toward 21st Century Learning. *Meridian*, 13(1). Retrieved from

<http://www.ncsu.edu/meridian/winter2010/index.html>

Raulston, C. (Producer). (2010). Technology Literacy in the 21st Century. Video Podcast published on iTunes University, Alabama Learning Exchange.

Raulston, C. (2007). Working with WebQuests. *Understanding Our Gifted*, 19(4).

Raulston, C. (2006). The Wild and Wonderful World of WebQuests. *Gifted Education Communicator*, 37(2).

CONFERENCE PRESENTATIONS

Raulston, C., & Ray, J. (2018, June). Using Scratch and Robotics to Support Multiple Literacies in the Classroom. Presented at The International Society for Technology Education (ISTE) Conference, Chicago, IL.

Raulston, C., & Ray, J. (2017, October). Experiencing Breakout EDU kits in Higher Education. College of Education Faculty Meeting, Montevallo, AL.

Raulston, C., & Ray, J. (2017, June). Using Innovation Stations for STEM/STEAM Instruction. Presented at The International Society for Technology Education (ISTE) Conference, San Antonio, TX.

Carpenter, S. & Raulston, C. (2017, June). *Common Sense Education Digital Citizenship Action Research Project*. (AETC), Hoover, AL.

Raulston, C., & Ray, J. (2016, November). Interactive Technology Enhanced Environments. Presented at The Teaching & Learning Forum, Montevallo, AL.

Raulston, C. (2016, June). Simple Screencasting with Screencastify. Presented at the Alabama Educational Technology Conference (AETC), Birmingham, AL.

Raulston, C. (2015, December). Apps for Admins PLU. Bibb County Board of Education. Centreville, AL.

Raulston, C. & Gilmore, L. (2015, November). Tasting a Text with a Twist of Technology: Generating Excitement to Read. Presented at Alabama Reading Association (ARA) Conference, Birmingham, AL.

Raulston, C. & Ray, J. (22 October 2015). Introducing Twitter to Educators. Delta Kappa Gamma Quarterly Meeting, Birmingham, AL.

Raulston, C. (18 September 2015). Increasing Student Engagement with Technology. Birmingham

Diocese Catholic Schools Fall Teacher In-Service.

Raulston, C. (2015, July). ALEX Learning Renaissance Faire: Revive Yourself! Presented at the MEGA Conference, Mobile, AL.

Raulston, C. (2015, June). ALEX Learning Renaissance Faire: Revive Yourself! Presented at the Alabama Educational Technology Conference (AETC), Birmingham, AL.

Raulston, C., & Ray, J. (2014, October). Modeling Best Practice by Using BYOD to Increase Engagement. Presented at The Teaching & Learning Forum, Montevallo, AL.

Alexiou-Ray, J., Brown, L., Durst, P., Raulston, C. (2014, October). Embracing BYOD, Session 2. Presented at Lunch & Learn Training. Montevallo, AL

Raulston, C., & Ray, J. (2014, September). Technology Leadership from an Educator's Perspective. Presented at Alabama Educational Technology Association (AETA) Conference, Orange Beach, AL.

Raulston, C., & Ray, J. (2014, June). Digital Media & Common Core Principles: Bringing Content to Life. Presented at The International Society for Technology Education (ISTE) Conference, Atlanta, GA.

Raulston, C., & Ray, J., Battista, A., & Cook, T. (2014, June). Enhancing Student Engagement by Infusing Social Media with Course Content. Presented at The International Society for Technology Education (ISTE) Conference, Atlanta, GA.

- In addition to the actual conference presentation, this presentation was recorded and streamed live via ISTE Live Online Conference. The ISTE Live sub-conference was by invitation only and was selected by the conference committee from the many presentations that were submitted and accepted.

Raulston, C., & Ray, J. (2013, October). Flipping with a Colleague: How to Make Course Content More Meaningful through Collaboration. Presented at The Teaching & Learning Forum, Montevallo, AL.

Cook, T., Raulston, C., & Ray, J. (2013, October). Leveraging Social Media to Enhance Course Content. Presented at The Teaching Professor Technology Conference, Atlanta, GA.

Raulston, C. (2013, August). iPad: PowerUp for Productivity. Presented at Vestavia Hills City Schools Technology Conference, Vestavia Hills, AL.

Raulston, C. (2013, August). iPad: PowerUp for Teachers. Presented at Vestavia Hills City

Schools Technology Conference, Vestavia Hills, AL.

Raulston, C. (2013, July). Group Projection Tools. Presented at Student Improvement Grant (SIG) Technology Camp, Montgomery, AL.

Raulston, C. (2013, July). Web-Based Tools for Teaching & Learning. Presented at Student Improvement Grant (SIG) Technology Camp, Montgomery, AL.

Raulston, C. (2013, July). ALEX Navigator Tools. Presented at Student Improvement Grant (SIG) Technology Camp, Montgomery, AL.

Raulston, C. (2013, July). Video in the Classroom. Presented at Student Improvement Grant (SIG) Technology Camp, Montgomery, AL.

Raulston, C. (2013, June). Is it APPLICable? iPad Apps for Online Teaching and Learning. Presented at Online Learning Institute, San Antonio, TX.

Raulston, C. (2013, February). Exploring Gallery 360 and ALEX. Presented at the VHCS Technology Conference.

Raulston, C. (2012, July). Alabama Learning Exchange (ALEX) Navigator Training for the Classroom Teacher. Presented at the MEGA Conference, Mobile, AL.

Raulston, C. (2011, October). Presto! Live Magic Show Featuring FREE 21st Century Training Modules. Presented at the Alabama Educational Technology Association (AETA) Conference, Perdido, AL.

Raulston, C. (2011, September). iPad + Apps= Limitless Learning. Presented at the Alabama Association for Gifted Conference (AAGC) Conference, Birmingham, AL.

Raulston, C. (2011, July). Save the Date- You are Invited to a Sample a Smorgasbord of ALEX Trainings. Presented at the MEGA Conference, Mobile, AL.

Raulston, C. (2011, June). Creating a Podcast on a Mac, How Hard It Is NOT Presto! Presented at the Alabama Educational Technology Conference (AETC), Birmingham, AL.

Raulston, C. (2011, June). Save the Date- You are Invited to a Sample a Smorgasbord of ALEX Trainings Presented at the Alabama Educational Technology Conference (AETC), Birmingham, AL.

Raulston, C. (2010, July). Using 21st Century Technology to Empower Gifted Learners. Presented at the MEGA Conference, Mobile, AL.

Raulston, C. (2010, June). The Wonderful World of Wikis, Blogs and Podcasting. Presented at the Alabama Educational Technology Conference (AETC), Birmingham, AL.

Raulston, C. (2009, September). Taking a Peek into Podcasting, Wikis and Blogs. Presented at the Alabama Association for Gifted Conference (AAGC) Conference, Birmingham, AL.

Alexiou-Ray, J., Bain, C., & Raulston, C. (2008, October). Empowering innovative teacher leaders. Presented at the annual meeting of the Innovative Learning Conference, San Jose, CA.

Raulston, C. Humphries, M., Alexiou-Ray, J. (2008, October). Broadcast, take one. Presented at the annual meeting of the Innovative Learning Conference, San Jose, CA.

Raulston, C., Alexiou-Ray, J., Hanson, M. & Humphries, M. (2008, June). Lights, Camera, Action! Presented at the annual meeting of the National Educational Computing Conference (NECC), San Antonio, TX.

Raulston, C. & Cahoon, C. (2008, April). Multimedia in Motion: Integrating Multimedia in the Classroom. Presented at the TechEd Conference, Ontario, CA.

Raulston, C., Alexiou-Ray, J., Humphries, M., & Lee, L. (2007, June). 3, 2, 1: Rolling into broadcast. Presented at the annual meeting of the National Educational Computing Conference (NECC), Atlanta, GA.

Raulston, C. (2007, June). The All-New ALEX: Quality for Every Facet of Learning. Presented at the Alabama Educational Technology Conference (AETC), Birmingham, AL.

Raulston, C. (2007, June). Thinkfinity + Infinity= "Endless Possibilities for Learning" Presented at the Alabama Educational Technology Conference (AETC), Birmingham, AL.

Raulston, C., Alexiou-Ray, J., Humphries, M., & Crumpton, L. (2006, July). Lights, camera, action: Producing a school news show. Presented at the annual meeting of the National Educational Computing Conference (NECC), San Diego, CA.

Gurley, C., & Moellinger, D. (2006, February). Using WebQuests with Gifted Children. Presented at the Alabama Federation Council for Exceptional Children (AFCEC), Birmingham, AL.

Gurley, C. (2006, May). Student Self-Efficacy for Using Technology: A Validation Study.

Presented at the Technology Education Research Conference (TERC), Tuscaloosa, AL.

Gurley, C. (2005, August). WebQuests in the Classroom. Presented at the Vestavia Hills Technology Conference, Vestavia Hills, AL.

Gurley, C., & Moellinger, D. (2005, November). Why WebQuests? Learning Through WebQuests in the Classroom. Presented at the National Association for Gifted Children Conference (NAGC), Louisville, KY.

Gurley, C., & Moellinger, D. (2005, November). Lights, Camera, Action! Producing a School News Show. Presented at the National Association for Gifted Children Conference (NAGC), Louisville, KY.

PROFESSIONAL TRAININGS AND WORKSHOPS

PLU Study (Shelby County Schools)--*Administrative PLU 2017 - 2018 It's What you Say AND How You Say It: How Communication Creates Culture* (2017 - 2018 School Year)

Google for Education ExploreEDU Event: Trussville City Schools (March 23, 2017)

Data Analysis and Planning Retreat, (January 2017)

AETA Region 5 Tech Meet, (January 2017)

Beta Cohort of the AL-CTO (Alabama Chief Technology Officer) *Law, Ethics, & Policies Certification*: Montgomery, AL (February 21, 2017)

Beta Cohort of the AL-CTO (Alabama Chief Technology Officer) *CTO Roles and Responsibilities Certification*: Montgomery, AL (February 21, 2017)

Beta Cohort of the AL-CTO (Alabama Chief Technology Officer) *Teaching and Learning Certification*: Birmingham, AL (June 12, 2017)

Beta Cohort of the AL-CTO (Alabama Chief Technology Officer) *Finance and Budgeting Certification*: Birmingham, AL (June 12, 2017)

Attended and co-presented at the Alabama Educational Technology Conference, (June 15, 2017)

University of Montevallo Faculty Institute Day, (2012- present)

PLU Study (Shelby County Schools)--*Administrative PLU 2016 - 2017 Targeted Techniques: A Focus on Student-Led Learning* (2016 - 2017 School Year)

Southeast Teachers of English to Speakers of Other Languages Regional Conference (SETESOL) Conference: Birmingham, AL (October 4, 2017)

English Learner Best Practices Professional Development Seminar: UAB (August 17, 2017)

SERVICE ACTIVITIES

UNIVERSITY COMMITTEES

Technology Advisor Council, co-chair (2019-present)
TAC Academic Support Committee (2018-2019)
Concert & Lecture Committee (2017-present)
Faculty Development Advisory Committee (2015-2019)
Mobile Device Committee (2015-present)
Distance Education Advisory Committee (2015-present)
Admissions Committee (2014-present)
Intercollegiate Athletics Committee (2014-present)
Hallie Farmer Committee (2013-2019)
Classroom Standardization Prioritization Committee (2015-2018)
University of Montevallo Library Liaison Elementary Secondary Education (2013-2014)
Learning Management System Review Committee (2012-2013)

COLLEGE COMMITTEES

Vision and Values Committee (2018- 2019)
University of Montevallo-Professional Education Association Sponsor UM-PEA (2016 – present)
Teacher Education Committee (2011 – present)
Teacher Education Program Interview Chair (2011 – present)
Presenter at Future Falcons Day (2016, 2017, 2019)
Montevallo Connection (2013–present)
COE Homecoming Activities (2012 – present)

DEPARTMENT COMMITTEES

Search Committee Member for Faculty Position (2016 – present)
Elementary Program Committee (2012 – present)
Teaching, Leadership, and Technology Advisory Council (2016 – present)
Search Committee Member for Faculty Positions (2012 – 2014, 2018, 2019)
Assessed Instructional Technology Entrance Portfolios & Completed Entrance Interviews (2014 – present)
Ed.S. in Instructional Technology Creation Committee (2012 – present)
Elementary Program Completion Portfolio Assessor (2012 – present)
Elementary/Secondary Advisory Council (2012 – 2015)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Alabama Association of Professor of Educational Leadership (AAPEL) (2017-Present)
Alabama Leaders in Educational Technology (ALET) (2017-present)
Delta Kappa Gamma International Society for Key Women Educators (DKG) (2014 –present)
Alabama Reading Association (ARA) (2014 – 2016)
Centrala Reading Chapter (2014 - 2016)

International Society for Technology in Education (ISTE) (2013 – present)

- ISTE Mobile Learning Network (MLN)
- ISTE Teacher Education Network (TEN)
- STEM Network
- Online Learning Network (OLN)
- Digital Storytelling Network

Alabama Education Technology Association (AETA) (2013-2017)

CONSULTING ACTIVITIES

Exploring Today's Classroom Summit with Hoover City Schools (University/ALEX Liaison)

ALEX Marketing Initiative

Presenter of State A.C.E. Trainings (ALEX Certification of Excellence)

Reviewer for Journal of Interactive Online Learning (JIOL)

Revision of ALEX Curriculum Modules

Summer Coding Day Camp- Director

Gear-up Residential Summer Coding Camp Director

Developed a Consulting Plan to work with Pell City Schools' Technology Coaches

Invited Twitter Town Hall Participant to represent ISTE (Topic: Common Core Implementation "Getting It Right," Hosted by Learning First Alliance)--October 2014

HONORS AND AWARDS

PROFESSIONAL HONORS AND ACTIVITIES

Alexiou-Ray, J., Raulston, C., Samuels, A., Samuels, G., and Taylor, A. (2018) Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP) for Jefferson County Schools, funded grant \$26 million (University of Montevallo).

University of Montevallo Teaching and Learning Grant recipient: Technology and Robotics Innovation Lab. funded grant \$2,000.

Recipient of Exploring OER Stipend- 2018-2019. (University of Montevallo).

Recipient of Claudia Williams Grant: *Mental Health First Aid for Classroom Certification 2018-19.* (University of Montevallo).

Southeast Conference on Positive Behavior Interventions and Support Attendee (June, 2019)

Mental Health First Aid for Classroom Certification

Jefferson County STEM Playground Conference (January 2019)

CITI Program Course Completion: Human Subject Research

Flipgrid Ambassador (2018-present)

PBS Digital Innovator (2016-present)

Plickers Ambassador (2016-present)

University of Montevallo Teaching & Learning Grant recipient: Interactive Technology Enhanced Environments (2016-17)

Alabama Educational Technology Association CTO Certification Course Beta Cohort (Spring 2016-2017)

ALCTO Certification Program: Alabama Technology Planning

ALCTO Certification Program: IT Management

ALCTO Certification Program: Alabama Laws, Ethics, and Policies

ALCTO Certification Program: CTO Roles and Responsibilities

ALCTO Certification Program: Finance and Budgeting

ALCTO Certification Program: Teaching and Learning

University of Montevallo Teaching & Learning Grant recipient: Modeling Best Practice by Using BYOD to Increase Engagement (2014-2015)

University of Montevallo Teaching & Learning Grant recipient: Flipping Classrooms to Increase Student Engagement (2013-2014)

University of Montevallo Camtasia Grant recipient (2013)

University of Montevallo David Gergen Professional Travel Award (2013)

University of Montevallo Professional Learning Community: Learning to Identify and Appreciate the Personality Spectrum (2013)

NAME Conference (2013, 2014, 2016)

2013 (July) Canvas Basics Training, University of Montevallo, Montevallo, AL

Alabama Learning Exchange (ALEX) Curriculum Development Team (2010-2012)

Thinkfinity Field Trainer

Certified Intel Master Teacher

AMSTI Certified: Math and Science Year 1

Alabama Reading Initiative Certified

ALEX/Thinkfinity Trainer of the Year (2010)

Most Outstanding Graduate Student (The University of Alabama- Instructional Technology 2008-2009)

Teacher of the Year for Vestavia Hills Elementary School Central (2006-2007)

Marco Polo Field Trainer of the Month (November 2006)

COMMUNITY HONORS AND ACTIVITIES

Alabaster City District Technology Committee (2018-present)

Creek View Elementary School PTO Volunteer Chairman (2018-present)

University of Montevallo Coding Camp Director - Gear Up and Local camps (2016 - 2018)

Future Falcon Day presenter (2016 & 2017)

ACT Prep Camp- University of Montevallo (2017, 2018)

Mock Interview Day- Montevallo High School (2015- 2017)

Montevallo Middle School Coding Club Co-sponsor (2017)

Talladega County Innovative Learning Showcase Judge (2017)

A Taste of Shelby County UM Graduate School representative (2016)

Parent Advisory Board of Director- PHUM Parents Day Out (2015-present)

Parent Advisory Board- UM Child Study Center (2015-2017)

Bake Sale Chairman: UM Child Study Center Breakfast with Santa (December 2015)

GRC Fun Night- Montevallo Elementary (February 2015)

Twitter Town Hall- Getting it Right: College and Career Ready Standards (October 2015)

Vertical Teaming Initiative with Shelby County Schools

Montevallo Connections (2012- Present)

Assisted in creating NCATE Accreditation video

NCATE Accreditation Dinner attendee