

Christopher Parrish
University of South Alabama
Leadership and Teacher Education
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Education

Ph D, Auburn University, 2016.
Major: Mathematics Education
Dissertation Title: Supporting the Development of Teachers' Attributes Needed for the Selection and Implementation of Cognitively Demanding Tasks through Engagement with the MathTwitterBlogosphere

M.Ed., University of West Alabama, 2013.
Major: Mathematics Education

BS, Auburn Montgomery, 2011.
Major: Mathematics Education

Academic, Government, Military and Professional Positions

Academic - P-12

Secondary Mathematics Teacher, Auburn City Schools. (August 2013 - May 2015).

Secondary Mathematics Teacher, Phenix City School District. (May 2012 - July 2013).

Secondary Mathematics Teacher, Lee County School District. (January 2012 - May 2012).

Academic - Post-Secondary

Associate Professor, University of South Alabama. (August 15, 2022 - Present).

Assistant Professor, University of South Alabama. (August 15, 2016 - August 14, 2022).

Graduate Assistant, Auburn University. (May 2015 - August 2016).

Licensures and Certifications

Class A, Secondary (06A) Grades 6 - 12, Mathematics (015), Alabama State Department of Education. (October 3, 2013 - June 30, 2018).

Class B, Secondary (06A) Grades 6 - 12, Mathematics (015), Alabama State Department of Education. (January 26, 2012 - June 30, 2018).

Professional Memberships

Research Council of Mathematics Learning. (January 2018 - Present).

Association of Mathematics Teacher Educators of Alabama. (November 2016 - Present).

Alabama Council of Teachers of Mathematics. (October 2015 - Present).

Association of Mathematics Teacher Educators. (September 1, 2015 - Present).

National Council of Teachers of Mathematics. (May 1, 2014 - Present).

Team-Based Learning Consortium. (July 2021 - February 2023).

TEACHING

Directed Student Learning

Undergraduate Thesis Committee Chair, "Can AI Overcome Gaps in Prior Knowledge when Performing Mathematical Tasks?," Leadership and Teacher Education. (January 12, 2026 - Present).

Advised: Morgan Taylor

Educational Specialist Committee Member, "Team-Based Learning in the Elementary Classroom," Leadership and Teacher Education. (May 7, 2019 - May 6, 2021).

Advised: Kendra Isenhower

Dissertation Committee Member, "The Relationships between formative Math Assessments and the State Summative Assessment for Middle School Students in Alabama," Leadership and Teacher Education. (November 2018 - November 2019).

Advised: Jason Golden

Educational Specialist Committee Member, Leadership and Teacher Education. (June 1, 2017 - July 31, 2018).

Advised: Katherine Hammonds

Dissertation Committee Member, Counseling and Instructional Sciences. (September 2016 - March 2018).

Advised: Leann Bullard

Awards and Honors

Quality Matters Course Certification (EDU 340/SED 555), University of South Alabama. (July 2021).

Quality Enhancement Plan (QEP) Certificate of Pedagogy, USA Quality Enhancement Plan. (May 4, 2018).

Quality Enhancement Plan (QEP) Professional Development Fellow, USA Quality Enhancement Plan. (May 4, 2018).

Teaching Experience at Other Institutions

Auburn University

CTSE 4923, Internship in Secondary Mathematics, Undergraduate.

RESEARCH

Published Intellectual Contributions

Book Chapters

- Takemoto, J. K., Lewis, A. M., Parrish, C. W., Coyne, L., Burns, C. M. Team learning in a technology-driven era. *Digitally-mediated team learning: Foundations and perspectives*. AECT and Springer.
- Strutchens, M., Sears, R., Whitfield, J., Biagetti, S., Bronsan, P., Oloff-Lewis, J., Junor Clarke, P. A., Stone, J., Conway, B., Erickson, D., Parrish, C. W., Ellis, R. (2019). Implementation of paired placement and co-planning/co-teaching field experience models across multiple contexts. *Handbook of research on field-based teacher education* (pp. 32-63). IGI Global.
- Brannan, L., Parrish, C., Szatkowski, H. (2019). Team-based learning: An instructional approach to facilitate critical thinking in teacher preparation. *Handbook of Research on Critical Thinking Strategies in Pre-Service Learning Environments* (pp. 80-105). Hershey, PA: IGI Global.
- Parrish, C. W. (2018). Informal mentoring within an online community: The MathTwitterBlogosphere. *Across the domains: Examining best practices in mentoring public school educators* (pp. 113-131). Charlotte, NC: Information Age Publishing.

Refereed Journal Articles

- Bowman, A. F., Parrish, C. W., Peterson, K. W. (2025). Perceived Challenges and Successes of Teaching Team-based Learning in an Online Setting. *Journal of Educators Online*, 22(4). http://thejeo.com/archive/archive/2025_223~2/25rea0023_jeo_sept_30_bowmanpdf
- Morton, B., McCarrison, S. K., Parrish, C., Byrd, K. O., Ferguson, S. N., Green, A. M. (2023). Teacher engagement and reflections of attitudes toward students, race, and self following STEM summer enrichment. *The Teacher Educator's Journal*, 16(1), 124-148. <https://files.eric.ed.gov/fulltext/EJ1383744.pdf>
- Morton, B., Guffey, S. K., Parrish, C., Byrd, K., Ferguson, S. N., Green, A. M. (2023). Teacher Engagement and Reflections of Attitudes Toward Students, Race, and Self Following STEM Summer Enrichment. *The Teacher Educators' Journal*, 16(1). <https://www.ateva.org/journal-1>
- Parrish, C. W., Snider, R. B., Creager, M. A. (2023). Investigating how secondary pre-service teachers plan to launch cognitively demanding tasks. *Journal of Mathematics Teacher Education*, 26(3).
- Parrish, C. W., Byrd, K. O. (2022). Cognitively demanding tasks: Supporting students and teachers during engagement and implementation. *International Electronic Journal of Mathematics Education*, 17(1), 1-16. <https://doi.org/10.29333/iejme/11475>
- Guffey, S. K., Parrish, C., Williams, D. S. (2021). Students' perceptions of team learning across teaching frameworks and settings. *Current Issues in Education*, 22(3), 1-24. <https://doi.org/10.14507/cie.vol22iss3.1960>
- Parrish, C. W. (2021). Improving our practice: One task at a time. *Indiana Mathematics Teacher*.

- Parrish, C. W., Guffey, S. K., Williams, D. S. (2021). The impact of team-based learning on students' perceptions of classroom community. *Active Learning in Higher Education*. <https://doi.org/10.1177/14697874211035078>
- Parrish, C. W., Williams, D. S., Estis, J. (2021). Integrated online team-based learning: Using synchronous engagement and asynchronous flexibility to implement TBL online. *New Directions in Teaching and Learning*, 165(2021), 91-105. <https://doi.org/10.1002/tl.20439>
- Parrish, C. W., Williams, D. S., Estis, J. (2021). Leveraging synchronous engagement and asynchronous flexibility within an integrated online model for team-based learning. *The Journal of Educators Online*, 18(2), 1-12.
- Reeves, L. M., Parrish, C. W., Guffey, S. K. (2021). Choosing a career in special education. *Journal of Research in Special Educational Needs*, 21(2), 73-85.
- Parrish, C. W., Lewis, A. M., Moye, S. (2021). Assuring students' readiness for cognitively demanding tasks. *Reflections*, 14(2). <https://www.gctm.org/page-1709499>
- Parrish, C. W., Guffey, S. K., Williams, D. S., Estis, J., Lewis, A. M. (2021). Fostering cognitive presence, social presence and teaching presence with integrated online-team-based learning. *TechTrends*.
- Creager, M. A., Snider, R. B., Parrish, C. W. (2021). Learning to launch cognitively demanding tasks: A practice-based unit for secondary methods. *Mathematics Teacher Educator*, 9(2), 127-144. <https://doi.org/10.5951/MTE.2019.0002>
- Parrish, C. W., Byrd, K. O., Johnson, T., Dasinger, J. A., Green, A. M. (2020). Middle school mathematics teachers' mixed perceptions of content-focused professional development. *Research in Middle Level Education Online*, 43(8), 1-16. <https://doi.org/10.1080/19404476.2020.1814626>
- Parrish, C. W., Martin, W. G. (2020). Cognitively demanding tasks and the associated learning opportunities within the MathTwitterBlogsphere. *International Journal of Mathematical Education in Science and Technology*, 53(2), 1-39.
- Guffey, S. K., Parrish, C., Ferguson, S. N., Green, A. M. (2020). Successes and challenges of a summer STEM program for students from Title I schools. *Middle School Journal*, 51(3), 26-32. <https://www.tandfonline.com/doi/full/10.1080/00940771.2020.1735869>
- Faith, C., Cleverdon, J., Parrish, C. W. (2020). Lessons learned from launching tasks. *Banneker Banner*, 32(1), 10-18.
- Larsen, J., Parrish, C. W. (2019). Community building in the MTBoS: Mathematics educators establishing value in resources exchanged in an online practitioner community. *Educational Media International*, 56(4), 26. <https://doi.org/10.1080/09523987.2019.1681105>
- Parrish, C. W., Ellis, R. (in press). Improving procedural fluency through mixed review. *New Teacher Advocate*.
- Parrish, C. W., Ellis, R., Martin, W. G. (2019). Improving mathematics discourse through action research. *Mathematics Teacher*, 112(4), 302-306.

Conference Proceedings

- Byrd, K. O., Ferguson, S. N., McCorrison, S. K., Morton, B., Parrish, C., Green, A. M. *Teacher Engagement and Reflections of Attitudes Toward Students, Race, and Self following STEM Summer Enrichment*. Mid-South Educational Research Association.
- Byrd, K. O., Morton, B., Green, A. M., McCorrison, S. K., Parrish, C., Green, A. M., Ferguson, S. N., Simpson, J. L. (2019). *Preservice teachers' experiences during a summer enrichment program in an urban, high needs school district*. Mid-South Educational Research Association. <http://msera.org/2019/proceedings/s178.html>
- Guffey, S. K., Morton, B., Byrd, K. O., Parrish, C., Green, A. M., Ferguson, S. N., Simpson, J. L. (2019). *Preservice teachers' experiences during a summer enrichment program in an urban, high needs school district*. Mid-South Educational Research Association. https://www.msera.org/_files/ugd/90ff5d_28680641c4ac4dc594676436ca816f81.pdf
- Parrish, C. W., Dasinger, J. A., Johnson, T., Green, A. M. (2018). *"Awful" and "fun": Teachers' mixed perceptions of content-focused PD* (pp. 33-40). Baton Rouge, LA: Research Council on Mathematics Learning.
- Conway IV, B., Erickson, D., Parrish, C. W., Strutchens, M., Whitfield, J. (2017). *An alternative approach to the traditional internship*. Eagle Rock, GA: Paper presented at the Georgia Association of Mathematics Teacher Educators. digitalcommons.georgiasouthern.edu/gamte/

Presentations Given

- Parrish, C. W., Byrd, K. O., 47th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, "Examining the Attitudes of Elementary and Secondary Mathematics Teachers Toward Cognitively Demanding Tasks," North American Chapter of the International Group for the Psychology of Mathematics Education, State College, PN. (October 29, 2025).
- Byrd, K. O., Parrish, C., 2024 National Council of Teachers of Mathematics Research Conference, "Elementary and secondary mathematics teachers' attitudes toward cognitively demanding tasks," National Council of Teachers of Mathematics, Chicago, IL. (September 2024).
- Ferguson, S. N. (Author & Presenter), Byrd, K. O. (Author & Presenter), Gaston, J. P. (Author & Presenter), Parrish, C. (Author & Presenter), McCorrison, S. K. (Author & Presenter), Stefurak, J. R. (Author & Presenter), Green, A. (Author), Wu, S. (Author), 2024 Southeast Regional Robert Noyce Conference, "Noyce Pathway to Mathematics II: An integrated STEM initiative focused in diversity, equity, and inclusion," National Science Foundation, Mobile, AL. (June 2024).
- Parrish, C., Twenty-Eighth Annual AMTE Conference, "Discussions of How to Design, Teach, and Assess within Methods of Teaching Courses," Association of Mathematics Teacher Educators, Orlando, FL. (February 9, 2024).
- Ferguson, S. N. (Author & Presenter), Gaston, J. P. (Author & Presenter), Byrd, K. O. (Author & Presenter), McCorrison, S. K. (Author & Presenter), Green, A. (Author), Stefurak, J. R. (Author & Presenter), Parrish, C. (Author & Presenter), Mulekar, M. S. (Author), 2023 Annual

- Meeting of the Mid-South Educational Research Association, "Noyce Pathway to Mathematics II: An integrated STEM initiative focused in diversity, equity, and inclusion," Mid-South Educational Research Association, Pensacola, FL. (November 9, 2023).
- Byrd, K. O. (Author & Presenter), Parrish, C. (Author & Presenter), 2023 Annual Meeting of the Mid-South Educational Research Association, "Exploring mathematics teachers' attitudes toward cognitively demanding tasks," Mid-South Educational Research Association, Pensacola, FL. (November 8, 2023).
- Ferguson, S. N., Byrd, K. O., Gaston, J. P., Parrish, C., McCorrison, S. K., Stefurak, J. R., Green, A. M., Wu, S., AAAS Noyce 2023 Summit, "NSF Noyce Pathway to Mathematics II: An Integrated STEM Initiative Focused in Diversity, Equity, and Inclusion," NSF Noyce, Washington D.C. (June 26, 2023).
- Ferguson, S. N., Byrd, K. O., Gaston, J. P., Parrish, C., McCorrison, S. K., Stefurak, J. R., Green, A. M., Wu, S., Southeast Regional Noyce Conference 2023, "Pathway to Mathematics II: An Integrated STEM Initiative Focused in Diversity, Equity, and Inclusion," NSF Noyce, Mobile, AL. (May 30, 2023).
- Zha, S., Billingsley, J. L., Nelson, D. M., Moore, P. R., Parrish, C., 2023 AERA Annual Meeting, "Using a Culturally Relevant Approach to Teach Grade 7 Students' Coding With Function," American Educational Research Association, Chicago, IL. (April 16, 2023).
- Smucker, K., Lim, D. (Author & Presenter), Huang, J. (Author & Presenter), Parrish, C. (Author & Presenter), Burns, B. (Author & Presenter), Lischka, A., 27th Annual AMTE Conference, "Engaging Prospective Secondary Teachers in Learning to Teach with Technology: Rehearsals with Mathematical Action Technologies," Association of Mathematics Teacher Educators, New Orleans, LA. (February 2, 2023).
- Zha, S., Billingsley, J. L., Nelson, D. M., Parrish, C., Bosarge, E., McCarty, J., 2022 AERA Annual Meeting, "A case study of learning with physical computing and robotics in a middle-grade math class," American Educational Research Association, San Diego, CA. (April 23, 2022).
- Estis, J., Parrish, C., Williams, D. S., TBLC 2022 Annual Meeting, "Using Small Group Instructional Feedback to Measure Student Impressions of Integrated Online Team-Based Learning," TBLC, Virtual. (April 20, 2022).
- Creager, M. A., Snider, R. B., Parrish, C. W., Twenty-Sixth Annual Conference of the Association of Mathematics Teacher Educators, "Developing procedural fluency from conceptual understanding: A trigonometry unit for content and methods courses.," Association of Mathematics Teacher Educators (AMTE), Las Vegas, NV. (February 12, 2022).
- Byrd, K. O. (Author & Presenter), Ferguson, S. N., McCorrison, S. K. (Author), Morton, B. (Author), Parrish, C. (Author), Green, A. M. (Author), Mid-South Educational Research Association Annual Conference, "Teacher Engagement and Reflections of Attitudes Toward Students, Race, and Self following STEM Summer Enrichment," MSERA, New Orleans, LA. (November 15, 2021).
- Parrish, C. W., Alabama Council of Teachers of Mathematics (ACTM) 2021 Fall Forum, "CODAP: Exploratory Data Analysis for Secondary Mathematics Students," ACTM, Oxford, AL. (November 9, 2021).
- Creager, M. A., Snider, R. B., Parrish, C. W., Mathematics Teacher Educator Podcast, "Learning to launch cognitively demanding tasks: A practice-based unit for secondary methods," AMTE. (June 1, 2021).

- Parrish, C. W., Peterson, K. W., Bowman, A., 11th Annual South Alabama Conference on Teaching and Learning, "Surviving, even thriving during a pandemic: How interdisciplinary faculty learning community members teach TBL online," University of South Alabama. (May 12, 2021).
- Parrish, C. W., Peterson, K. W., Bowman, A., 11th Annual South Alabama Conference on Teaching and Learning, "Surviving, even thriving during a pandemic: How interdisciplinary faculty learning community members teach TBL online," University of South Alabama. (May 12, 2021).
- Parrish, C. W., Snider, R. B., Creager, M. A., Twenty-Fifth Annual Conference of the Association of Mathematics Teacher Educators, "How do we facilitate rehearsals of teaching practices in an online setting?," Association of Mathematics Teacher Educators, Virtual. (February 12, 2021).
- Parrish, C. W., Williams, D. S., Estis, J., 10th Annual South Alabama Conference on Teaching and Learning, "Integrated online--team-based learning: Combining synchronous & asynchronous approaches to foster student engagement," Innovation in Learning Center. (May 12, 2020).
- Creager, M. A., Parrish, C. W., Snider, R., National Council of Teachers of Mathematics Centennial Annual Meeting and Exposition, "Getting off on the right foot: Learning to launch cognitively demanding tasks," National Council of Teachers of Mathematics, Chicago, IL. (April 4, 2020).
- Parrish, C. W., Cleverdon, J., Faith, C., National Council of Teachers of Mathematics Centennial Annual Meeting and Exposition, "Lessons learned by mathematics Noyce scholars from launching tasks," National Council of Teachers of Mathematics, Chicago, IL. (April 3, 2020).
- Estis, J., Parrish, C. W., Williams, D. S., 19th Annual Team-Based Learning Collaborative, "Using small group instructional feedback to measure student impressions of integrated online--team-based learning," Team-Based Learning Collaborative, Portland, OR. (March 16, 2020).
- Reeves, L., Parrish, C., Guffey, S. K., Association of Teacher Educators (ATE) 100th Annual Meeting, "Factors in Choosing a Career in Special Education," Association of Teacher Educators, Atlantic City, NJ. (February 18, 2020).
- Snider, R., Parrish, C. W., Creager, M., Twenty-Fourth Annual Conference of the Association of Mathematics Teacher Educators, "Preparing to launch a task: What does it look like for pre-service teachers?," Association of Mathematics Teacher Educators, Phoenix AZ. (February 7, 2020).
- McCarrison, S. K., Morton, B., Byrd, K. O., Parrish, C., Green, A. M., Ferguson, S. N., Simpson, J. L., Mid-South Educational Research Association, "Preservice teachers' experiences during a summer enrichment program in an urban, high needs school district," New Orleans, LA. (November 2019).
- Parrish, C., Lewis, D., Southeastern Regional Robert Noyce Conference, "Algebra Through Multiple Representations." (June 24, 2019).
- Parrish, C. W., Morton, B., Southeastern Regional Robert Noyce Conference, "These students are underprepared: Examining our perceptions of struggling students," National Science Foundation, Mobile, AL. (June 23, 2019).

- Williams, D. S., Estis, J., Parrish, C. W., OLC Innovate, "Leveraging synchronous engagement and asynchronous flexibility within an integrated online model for team-based learning," Online Learning Consortium, Denver, CO. (April 3, 2019).
- Parrish, C. W., Williams, D. S., Estis, J., 18th Annual TBLC Meeting, "Leveraging synchronous engagement and asynchronous flexibility with an integrated online model," Team-Based Learning Collaborative, Tampa, FL. (March 15, 2019).
- McCorrison, S. K., Parrish, C. W., Williams, D. S., Estis, J., 18th Annual TBLC Meeting, "Two birds with one stone: Examining students' and instructors' perceptions of TBL across face-to-face and online courses," Team-Based Learning Collaborative, Tampa, FL. (March 15, 2019).
- Parrish, C. W., Snider, R., Creager, M., Twenty-Third Annual Conference of the Association of Mathematics Teacher Educators, "Learning to launch: Growing as new teacher educators through collaborative unit design in secondary methods," Association of Mathematics Teacher Educators, Orlando, FL. (February 2019).
- Parrish, C. W., Vestal, S., Twenty-Third Annual Conference of the Association of Mathematics Teacher Educators, "Online learning communities: A support for preservice mathematics teachers within and beyond teacher preparation," Association of Mathematics Teacher Educators, Orlando, FL. (February 2019).
- Estis, J., Williams, D. S., Parrish, C. W., "Taking TBL online: Best practices for blended, synchronous & asynchronous TBL," Innovation in Learning Center, Mobile, AL. (December 6, 2018).
- Parrish, C. W., Davis, L., Eiland, A. G., 2018 Alabama Council of Teachers of Mathematics Fall Forum Conference, "The Illustrative mathematics curriculum at work: A view from two schools," Alabama Council of Teachers of Mathematics, Birmingham, AL. (November 2018).
- Parrish, C. W., 20 Minute Tuesday, "Team-based learning in an online environment," Innovation in Learning Center, Online. (November 6, 2018).
- Parrish, C. W., Garrett, L., Wan, A., Peppers, D., Ellis, R., CTSE 7510: Research Studies in Secondary Mathematics Education, "Illuminating mathematics education research: Dissertation studies from the Auburn University mathematics education program," Auburn University. (October 9, 2018).
- McCorrison, S. K., Parrish, C., Classroom Learning Assessment Scoring System (CLASS), "Classroom Learning Assessment Scoring System (CLASS)," University of South Alabama - Deans for Impact, Mobile, AL. (August 22, 2018).
- Parrish, C. W., Morton, B., Southeastern Regional Robert Noyce Conference, "These students are underprepared: Examining our perceptions of struggling students," National Science Foundation, Mobile, AL. (June 23, 2018).
- Dasinger, J. A. (Author & Presenter), Pillen, C. (Author & Presenter), Prokhorov, V. A. (Author & Presenter), Parrish, C. (Author & Presenter), Southeast Regional Robert Noyce Connections, "Guaranteeing Student Engagement: Middle Grades Mathematics Tasks," Mobile, AL. (June 22, 2018).
- Parrish, C. W., Eighth Annual South Alabama Conference on Teaching and Learning, "Transforming an online course through team-based learning," Innovation and Learning Center, Mobile, AL. (May 2018).

- Delmas, P. M. (Panelist), Parrish, C. (Panelist), Robinson, L. (Panelist), Hobby, P. (Panelist), Semien, D. (Moderator), Eighth Annual South Alabama Conference on Teaching and Learning, "Teaching for Impact: Engaging Students Innovatively Online," USA, Mobile, AL. (May 8, 2018).
- Parrish, C. W., Quality Enhancement Plan Professional Development Session, "Taking TBL Online: Best Practice for Blended, Synchronous, & Asynchronous TBL," Quality Enhancement Plan, Mobile, AL. (April 10, 2018).
- Parrish, C. W., Dasinger, J. A., Johnson, T., Green, A. M., Research Council on Mathematics Learning (RCML) 2018 Conference, "'Awful' and 'Fun': Teachers' Mixed Perceptions of Content-Focused PD," Research Council on Mathematics Learning, Baton Rouge, LA. (February 23, 2018).
- Parrish, C. W., Research Council on Mathematics Learning (RCML) 2018 Conference, "Learning from Others: Support through an Online Community," Research Council on Mathematics Learning, Baton Rouge, LA. (February 23, 2018).
- Wilhelm, A. G., Parrish, C. W., Jansen, A., Litke, E., Twenty-Second Annual Conference of the Association of Mathematics Teacher Educators, "Online Mathematics Teacher Collaboration: Twitter and Blogs as Learning Spaces for Mathematics Teachers," Association of Mathematics Teacher Educators, Houston, TX. (February 9, 2018).
- Dasinger, J. A. (Author & Presenter), Parrish, C. (Author & Presenter), Pillen, C. (Author & Presenter), Prokhorov, V. A. (Author & Presenter), Southeast Regional Robert Noyce Connections, "Math and Games: Using Math Circles to Enhance the Pedagogical Content Knowledge of Middle School Math Teachers through a Math and Science Partnership," Mobile, AL. (June 23, 2017).
- Dasinger, J. A. (Author & Presenter), Parrish, C. (Author & Presenter), University of South Alabama Conference on Teaching and Learning, "Bungee Jumping Barbie," Mobile, AL. (June 23, 2017).
- Erickson, D., Whitfield, J., Strutchens, M., Conway, B., Parrish, C. W., National Council of Teachers of Mathematics Research Conference, "Paired-placement internships: A collaborative and empowering model for student teaching," National Council of Teachers of Mathematics, San Antonio, TX. (April 2017).
- Parrish, C. W., 50th Anniversary of the College of Education's 50 years of Education Innovation Series, "What really happens in online learning communities: A researcher's perspective from the MathTwitterBlogosphere and beyond," University of South Alabama College of Education, Mobile, AL. (March 10, 2017).
- Parrish, C. W., Southeast Regional Noyce Connections, "Utilizing the MathTwitterBlogosphere: An online community of educators," National Science Foundation, Mobile, AL. (March 9, 2017).
- Ellis, R., Parrish, C. W., Philadelphia Regional Conference, "Mathematical discourse and questioning: Connecting research to practice," National Council of Teachers of Mathematics, Philadelphia, PA. (November 2016).
- Parrish, C. W., Philadelphia Regional Conference, "What really happens in the MathTwitterBlogosphere: A researcher's perspective," National Council of Teachers of Mathematics, Philadelphia, PA. (November 2016).

Santoli, S. P., Ferguson, S. N., Parrish, C., MSERA, "Enhancing Interview Skills of Pre-Service Teachers," MSERA, Mobile, AL. (November 4, 2016).

Contracts, Grants and Sponsored Research

Grant

Funded

Parrish, C. W., Major, K. M., "UTeach South," Sponsored by Alabama STEM Council & Alabama Commission on Higher Education, External to the University, \$2,000,000.00. (January 2023 - Present).

Ferguson, S. N. (Principal), McCorrison, S. K. (Co-Principal), Byrd, K. O. (Co-Principal), Parrish, C. (Co-Principal), Gaston, J. P. (Co-Principal), Green, A. M. (Co-Principal), Stefurak, J. R. (Co-Principal), Mulekar, M. S. (Co-Principal), Wu, S. (Co-Principal), "Noyce Pathway to Mathematics II," Sponsored by NSF, External to the University, \$1,199,945.00. (May 1, 2023 - April 1, 2028).

Clontz, Jr., S. C. (Principal), Parrish, C. (Co-Principal), Estis, J. (Co-Principal), Chaudhury, S. (Co-Principal), "Transforming Lower Division Mathematics Through Team-Based Inquiry Learning," Sponsored by National Science Foundation, Federal, \$653,896.00. (October 1, 2020 - September 30, 2025).

Gong, N. (Principal), Zha, S. (Co-Principal), Guffey, S. K., Parrish, C., Leavesley, S., Wang, J., Van Haneghan, J. P., "RET Site: Research Experiences for Teachers in Biologically-inspired Computing Systems," Sponsored by National Science Foundation, Federal, \$592,628.00. (March 1, 2020 - February 28, 2024).

Lewis, A. M. (Principal), Parrish, C. (Co-Principal), Estis, J. (Co-Principal), Clontz, Jr., S. C. (Co-Principal), Chaudhury, S. (Co-Principal), "Transforming Lower Division Mathematics Through Team-Based Inquiry Learning," Sponsored by National Science Foundation, Federal, \$579,762.00. (October 1, 2020 - September 30, 2023).

Parrish, C. W. (Principal), Morton, B. (Co-Principal), "Closing the Mathematics Preparation Gap for Secondary Students," Sponsored by College of Education and Professional Studies, \$2,596.00. (January 2020 - December 2020).

Parrish, C. (Principal), McCorrison, S. K. (Co-Principal), "Two Birds with One Stone: Examining the Effects of TBL on Teacher Education across Face-to-Face and Online Courses," Sponsored by University of South Alabama, \$2,500.00. (August 15, 2018 - August 15, 2019).

Green, A. M. (Principal), Pillen, C. (Co-Principal), Prokhorov, V. A. (Co-Principal), Kent, A. M. (Co-Principal), Parrish, C. (Co-Principal), "AMSTI-Focus on Middle School Mathematics Teachers Program," Sponsored by Alabama State Department of Education, External to the University, \$194,250.00. (October 1, 2017 - September 30, 2018).

Parrish, C. (Principal), Green, A. M. (Co-Principal), "Credentialing in Mathematics and Science," Sponsored by Alabama Commission on Higher Education, State, \$25,128.64. (October 1, 2017 - September 30, 2018).

Ferguson, S. N. (Supporting), Green, A. M. (Principal), Estis, J. (Supporting), Parrish, C. (Supporting), Johnson, T. (Supporting), Lewis, A. M. (Supporting), Pillen, C. (Supporting), "RONA: Research Opportunities for Noyce Alumni (PTM-Math)," Sponsored by NSF, External to the University, \$173,840.00. (June 2017 - June 2018).

Parrish, C. (Co-Principal), Green, A. M. (Principal), "The AMSTI Lead Teacher Enhancement Project," Sponsored by Alabama Commission on Higher Education, External to the University, \$219,437.00. (March 2, 2017 - May 30, 2018).

Parrish, C. (Supporting), Green, A. M. (Principal), Thompson, K. (Co-Principal), Chaudhury, R. (Co-Principal), Carr, N. T. (Co-Principal), Whiston, L. E. (Supporting), Farmer, S. L. (Supporting), Chilukuri, S. (Supporting), "University of South Alabama (USA) Collaborative Opportunity Proposal," Sponsored by Association of Public and Land Grant Universities, External to the University, \$49,995.00. (May 1, 2017 - April 30, 2018).

Green, A. M. (Principal), Pillen, C. (Co-Principal), Prokhorov, V. A. (Co-Principal), Kent, A. M. (Co-Principal), Parrish, C. (Co-Principal), "AMSTI-Focus on Middle School Mathematics Teachers Program," Sponsored by Alabama State Department of Education, External to the University, \$259,000.00. (October 1, 2016 - September 30, 2017).

Awards and Honors

Faculty Excellence Award, College of Education and Professional Studies. (March 2021).

Quality Enhancement Plan (QEP) Pedagogical Scholar, USA Quality Enhancement Plan. (May 4, 2018).

STaR (Service, Teaching, and Research) in Mathematics Education Fellow, Association of Mathematics Teacher Education. (December 13, 2017).

New Faculty Scholar, University of South Alabama. (September 1, 2017).

SERVICE

Department Service

Committee Member, Educational Leadership (K-12) Faculty Search Committee. (August 15, 2025 - Present).

Committee Chair, Leadership and Teacher Education Graduate Curriculum Committee. (August 15, 2025 - Present).

Committee Chair, Master Teacher (Science) Search Committee. (July 2025 - September 2025).

Committee Member, Elementary Mathematics Faculty Search Committee. (August 15, 2024 - May 15, 2025).

Committee Member, Social Studies Faculty Search Committee. (August 15, 2024 - May 15, 2025).

Committee Member, Department Chair Search Committee. (August 2024 - May 15, 2025).

Committee Member, Department Chair Search Committee. (March 2024 - May 2024).

Committee Chair, Social Studies Education Faculty Search. (October 2022 - February 2023).

Faculty Trainer, Classroom Assessment Scoring System (CLASS). (July 2018 - May 2021).

Secondary Affiliate, Deans for Impact. (July 2018 - May 2020).

Committee Member, NSF Pathways to Mathematics Scholarship Selection Committee.
(September 2016 - May 2019).

Committee Member, Awards (Faculty). (August 15, 2017 - May 15, 2019).

Committee Member, Social Media/Publicity. (August 15, 2016 - August 14, 2017).

Committee Member, Leadership and Teacher Education Secondary Science Education Faculty
Search. (April 1, 2017 - July 1, 2017).

Committee Member, Leadership and Teacher Education Department Chair Search. (March 2017
- May 2017).

Committee Member, EdTPA Implementation & Alabama State Standards Curriculum Alignment
for Secondary Education. (August 15, 2016 - May 31, 2017).

College Service

Committee Member, Assessment Committee. (August 15, 2025 - Present).

Committee Member, CAEP College Committee. (August 15, 2025 - Present).

Committee Member, Faculty Scholarship and Research Development. (August 15, 2025 -
Present).

Committee Member, Academic Standards Committee. (August 15, 2024 - May 15, 2025).

Committee Member, Curriculum Committee. (August 15, 2024 - May 15, 2025).

Committee Member, Emergency Response Committee. (August 2021 - May 2024).

Committee Member, Technology Committee. (August 2021 - May 2024).

Faculty Mentor, Kappa Delta Pi. (August 15, 2017 - May 5, 2022).

Committee Member, College Graduation Ceremony Committee. (August 15, 2019 - July 2021).

Committee Member, Recruitment and Retention. (August 15, 2016 - July 2021).

Committee Member, CAEP Standard 5 Committee. (January 2018 - February 2020).

Committee Member, Quality Assurance & Continuous Improvement. (October 31, 2017 - May 31,
2018).

Committee Member, College of Education and Professional Studies Associate Dean Search.
(October 29, 2017 - December 15, 2017).

University Service

Student Marshal, Graduation. (August 2024 - Present).

Committee Chair, UTeach South Steering. (February 2021 - Present).

Committee Chair, Team-Based Learning Faculty Learning Community (FLC). (September 2020 - July 2021).

Committee Member, Quality Enhancement Plan Advisory Council. (August 22, 2018 - July 2020).

Professional Service

Reviewer, Journal Article, Research in Middle Level Education Online. (February 2021 - Present).

Reviewer, Journal Article, Mathematics Teacher: Learning and Teaching PK-12. (June 2019 - Present).

Reviewer, Conference Paper, Association of Mathematics Teacher Educators. (June 2018 - Present).

Reviewer, Conference Paper, Psychology of Mathematics Education (PME-NA). (April 2025).

Officer, Vice President, Professional Development Committee; Association of Mathematics Teacher Educators. (June 27, 2023 - February 8, 2025).

Reviewer, Conference Paper, National Council of Teachers of Mathematics Research Conference, Chicago, Illinois. (March 2024).

Member-at-Large, Association of Mathematics Teacher Educators of Alabama. (January 2021 - December 2023).

Committee Member, Professional Development Committee; Association of Mathematics Teacher Educators. (October 12, 2021 - June 26, 2023).

Member-at-Large (K-12), Team-Based Learning Collaborative. (June 1, 2021 - February 2023).

District VII Director, Alabama Council of Teachers of Mathematics. (November 2019 - June 2022).

Committee Member, Social Media Advisory Committee; Association of Mathematics Teacher Educators. (January 2021 - February 2022).

Reviewer, Conference Paper, 11th Annual South Alabama Conference on Teaching and Learning. (April 2021).

Reviewer, Textbook, Routledge. (November 2020 - December 2020).

Reviewer, Journal Article, Mathematics Teacher. (September 2016 - May 2019).

Workshop Organizer, Classroom Learning Assessment Scoring System (CLASS), Mobile, Alabama. (August 29, 2018).

Workshop Organizer, Classroom Learning Assessment Scoring System (CLASS), Mobile, AL. (August 22, 2018).

Member, Alabama Department of Education Strategic Planning Committee on Mathematics. (January 2017 - May 2017).

Public Service

Senior Boards Judge, Davidson High School, Mobile, Alabama. (December 8, 2016).

Other Service

Other

Administrative Assignment, Program Director, UTeach South. (August 18, 2023).