

Matthew P. Campbell, Ph.D.

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College of Applied Human Sciences
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ACADEMIC BACKGROUND

- Doctor of Philosophy in Mathematics Education** 2014
Oregon State University, Corvallis, Oregon
Dissertation Title: *Responsive pedagogies of practice: Researching an ambitious secondary mathematics teacher education program*
Chair: Dr. Rebekah Elliott
- Master of Science in Mathematics Education** 2009
Graduate Minor in Statistics
North Carolina State University, Raleigh, North Carolina
Thesis Title: *Mathematics teachers and professional learning communities: Understanding professional development in collaborative settings*
Chair: Dr. Hollylynne Stohl Lee
- Bachelor of Science in Mathematics Education** 2005
Bachelor of Science in Mathematics
North Carolina State University, Raleigh, North Carolina

PROFESSIONAL ASSIGNMENTS AND EXPERIENCE

- Associate Director, School of Education** 2023-present
West Virginia University, Morgantown, WV
- Associate Professor of Mathematics Education** 2021-present
West Virginia University, Morgantown, WV
- Assistant Professor of Mathematics Education** 2014-2021
West Virginia University, Morgantown, WV
- Graduate Research and Teaching Assistant** 2009-2014
University Student Teaching Supervisor
Oregon State University, Corvallis, OR
- Adjunct Instructor** 2010-2011
Willamette University Graduate School of Education, Salem, OR
- Graduate Research and Teaching Assistant** 2007-2009
North Carolina State University, Raleigh, NC

SCHOLARSHIP

Peer-Reviewed Journal Articles

- McHenry-Sorber, E. C., **Campbell, M. P.**, & Hall Sutherland, D. (2023). “If I ever leave, I have a list of people that are going with me”: Principals’ understandings of and responses to place influences on teacher staffing in West Virginia. *Educational Administration Quarterly*, 59(2), 432-464. <https://doi.org/10.1177/0013161X211053590>
- Campbell, M. P.**, & Baldinger, E. E. (2022). Using scripting tasks to reveal mathematics teacher candidates’ resources for responding to student errors. *Journal of Mathematics Teacher Education*, 25(5), 507-531. <https://doi.org/10.1007/s10857-021-09505-4>
- Baldinger, E. E., & **Campbell, M. P.** (2021). Making learning visible: Cases of teacher candidates learning to respond to errors through multiple approximations of practice. *Mathematics Teacher Education and Development*. 23(4), 119-142. <https://mtd.merga.net.au/index.php/mtd/article/view/632>
- Baldinger, E. E., **Campbell, M. P.**, & Graif, F. (2021). Learning to respond to student errors: Examining the use of planted errors in an approximation of practice. *Journal of Teacher Education*, 72(5), 523-537. <https://doi.org/10.1177/0022487120977148>
- Graif, F., Baldinger, E. E., & **Campbell, M. P.** (2021). Teacher candidates’ reflections on responding to errors: Exploring their vision and goals. *The Mathematics Educator*, 30(1), 3-24. <https://openjournals.libs.uga.edu/tme/article/view/2092/2675>
- Campbell, M. P.** (2020). Not just number: Representation talks. *Mathematics Teacher: Learning & Teaching PreK-12*, 113(11), 918-924. <https://doi.org/10.5951/MTLT.2019.0095>
- Campbell, M. P.**, Baldinger, E. E., & Graif, F. (2020). Representing student voice in approximations of practice: Designing and using planted errors in coached rehearsals. *Mathematics Teacher Educator*, 9(1), 23-49. <https://doi.org/10.5951/MTE.2020.0005>
- Sealey, V., Infante, N. E., **Campbell, M. P.**, & Bolyard, J. (2020). The generation and use of graphical examples in calculus classrooms: The case of the Mean Value Theorem. *Journal of Mathematical Behavior*, 57, 1-19. <https://doi.org/10.1016/j.jmathb.2019.100743>
- Baldinger, E. E., **Campbell, M. P.**, & Graif, F. (2020). Sorting out definitions. *Mathematics Teacher: Learning & Teaching PreK-12*, 113(3), 209-215. <https://doi.org/10.5951/MTLT.2019.0121>
- McHenry-Sorber, E. C., & **Campbell, M. P.** (2019). Teacher shortage as a local phenomenon: District leader sensemaking, responses, and implications for policy. *Educational Policy Analysis Archives*, 27(87), 1-33. <https://doi.org/10.14507/epaa.27.4413>
- Campbell, M. P.**, & Lee, H. S. (2017). Examining secondary mathematics teachers’ opportunities to develop mathematically in professional learning communities. *School Science and Mathematics*, 117(3-4), 115-126. <https://doi.org/10.1111/ssm.12209>
- Lesseig, K., Elliott, R., Kazemi, E., Kelley-Petersen, M., **Campbell, M.**, Mumme, J., & Carroll, C. (2017). Leaders’ noticing of facilitation in videocases of mathematics professional development. *Journal of Mathematics Teacher Education*, 20(6), 591-619. <https://doi.org/10.1007/s10857-016-9346-y>

Campbell, M. P., & Elliott, R. (2015). Designing approximations of practice and conceptualising responsive and practice-focused secondary mathematics teacher education. *Mathematics Teacher Education and Development*, 17(2), 146-164.

<https://mtd.merga.net.au/index.php/mtd/article/view/254>

Sztajn, P., **Campbell, M. P.**, Yoon, K. S. (2011). Conceptualizing professional development in mathematics: Elements of a model. *PNA*, 5(3), 83-92.

<https://revistaseug.ugr.es/index.php/pna/article/view/6154>

Peer-Reviewed Conference Proceedings

Freeland, S. P., & **Campbell, M. P.** (2022). Black students' tensions between freedom dreaming a new mathematics education and the status quo in rural Appalachia. In Lischka, A. E., Dyer, E. B., Jones, R. S., Lovett, J. N., Strayer, J., & Drown, S. (Eds.). *Proceedings of the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 414-418). Middle Tennessee State University.

Campbell, M. P., Baldinger, E. E., Karr, J. H., & Freeland, S. P. (2021). Teacher Candidates' Construction of Characters in Scripts. In Olanoff, D., Johnson, K., & Spitzer, S. (Eds.). *Proceedings of the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1066-1071). Philadelphia, PA.

Campbell, M. P., Baldinger, E. E., Freeland, S., Graif, F., & Karr, J. (2019). Learning to respond to errors: Evidence from scripting tasks. In S. Otten, A. G., Candela, Z. de Araujo, C. Haines, & C. Munter (Eds.). *Proceedings of the forty-first annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1197-1202). St Louis, MO: University of Missouri.

Baldinger, E. E., & **Campbell, M. P.** (2019). Cases of learning to respond to errors through approximations of leading whole-class discussions. In S. Otten, A. G., Candela, Z. de Araujo, C. Haines, & C. Munter (Eds.). *Proceedings of the forty-first annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1066-1075). St Louis, MO: University of Missouri.

Baldinger, E. E., **Campbell, M. P.**, & Graif, F. (2018). Examining teacher candidates' responses to errors during whole-class discussions through written performance tasks. In Hodges, T.E., Roy, G. J., & Tyminski, A. M. (Eds.). *Proceedings of the 40th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 648-654). Greenville, SC: University of South Carolina & Clemson University.

Sealey, V., Bolyard, J., **Campbell, M.**, & Infante, N. (2018). The Generation and Use of Examples in Calculus Classrooms: Supporting Active Learning in Mathematics. In A. Weinberg, C. Rasmussen, J. Rabin, M. Wawro, and S. Brown (Eds.). *Proceedings of the 21st Annual Conference on Research in Undergraduate Mathematics Education* (pp. 941-948). San Diego, CA: SIGMAA on RUME.

- Campbell, M. P.**, Baldinger, E. E., Selling, S. K., & Graif, F. (2017). Responding to students during whole class discussions: Using written performance tasks to assess teacher candidate practice. In E. Galindo, & J. Newton, (Eds.). *Proceedings of the 39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 977-980). Indianapolis, IN: Hoosier Association of Mathematics Teacher Educators.
- Baldinger, E. E., **Campbell, M. P.**, Selling, S. K., & Graif, F. (2017). Investigating practice through rehearsals: How teacher candidates respond to student contributions in whole-class discussions. In E. Galindo, & J. Newton, (Eds.). *Proceedings of the 39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 925-928). Indianapolis, IN: Hoosier Association of Mathematics Teacher Educators.
- Campbell, M. P.**, Elliott, R., Baldinger, E. E., Selling, S. K., Webb, J., & Wieman, R. (2017). Advancing pedagogies of enactment in mathematics professional education: Implications for research and practice. In E. Galindo, & J. Newton, (Eds.). *Proceedings of the 39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1454-1463). Indianapolis, IN: Hoosier Association of Mathematics Teacher Educators.
- Campbell, M.**, et al. (2016). Designing and researching pedagogies of rehearsal and enactment for secondary mathematics teacher development. In M. B. Wood, E. E. Turner, M. Civil, & J. A. Eli (Eds.), *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1664-1672). Tucson, AZ: The University of Arizona.
- Campbell, M. P.** & Elliott, R. (2011). An analytic frame for examining teachers' collaborative mathematics work to develop specialized content knowledge. In L. R. Wiest & T. D. Lamberg (Eds.), *Proceedings of the Thirty-third Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 417-424), Reno, NV: University of Nevada, Reno.
- Elliott, R., Lesseig, K., & **Campbell, M.** (2010). Teachers' productions of algebraic generalizations and justification: Images of specialized content knowledge. In P. Brosman, D. B. Erchick, & L. Flevaris (Eds.), *Proceedings of the Thirty-second Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (Vol. 6, pp. 1095-1103), Columbus, OH: The Ohio State University.
- Campbell, M. P.** (2009). Mathematics teachers and professional learning communities: Understanding professional development in collaborative settings. In S. L. Swars, D. W. Stinson, & S. Lemons-Smith (Eds.), *Proceedings of the Thirty-first Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (Vol. 5, pp. 956-964), Atlanta, GA: Georgia State University.
- McCulloch, A. W., **Campbell, M. P.**, & Hedges, J. P. (2009). Promoting effective graphing calculator use: Revealing unintentional privileging. In S. L. Swars, D. W. Stinson, & S. Lemons-Smith (Eds.), *Proceedings of the Thirty-first Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (Vol. 5, pp. 894-902), Atlanta, GA: Georgia State University.

Sztajn, P., **Campbell, M. P.**, & Yoon, K. S. (2009). Conceptualizing professional development in mathematics: Elements of a model. In M. Tzekaki, M. Kaldrimidou, & H. Sakonidis (Eds.), *Proceedings of the 33rd conference of the International Group for the Psychology of Mathematics Education* (Vol. 5, pp. 209-216), Thessaloniki, Greece: PME.

Editor-Reviewed Articles

Campbell, M., & Bolyard, J. (2018, October 29). Why students need more ‘math talk.’ *The Conversation*.

Campbell, M., & McHenry-Sorber, E. (2017, October 2). “Possibilities for Addressing West Virginia’s Teacher Shortage.” *The State Journal (WV)*.

Campbell, M. (2015). Seeing and leveraging the mathematics in agriculture education. *The Agriculture Education Magazine*, 87(5), 20-24.

Conference Papers

Baldinger, E. E., **Campbell, M. P.**, & Graif, F. (2018). *Responding to student errors during classroom discussion: Deliberate opportunities to support teacher candidate development*. Paper at the Annual Meeting of the American Education Research Association, New York, NY.

Campbell, M. P. (2016). *An analysis of secondary mathematics teacher candidate practice to inform responsive teacher education designs*. Paper at the Annual Meeting of the American Education Research Association, Washington, DC.

Kazemi, E., Kelley-Petersen, M., Elliott, R., **Campbell, M.**, Lesseig, K., Mumme, J., & Carroll, C. (2012). *Using videocases to prepare leaders of professional development in mathematics*. Paper presented at the Annual Meeting of the American Educational Research Association, Vancouver, BC.

Elliott, R., **Campbell, M.**, Kazemi, E., Mumme, J., Carroll, C., Lesseig, K., & Kelley-Petersen, K. (2011). *Teachers’ collaborative mathematics work: Using mathematics tasks in professional development to frame work on specialized content knowledge*. Paper presented at the Annual Meeting of American Educational Research Association, New Orleans, LA.

Kazemi, E., Elliott, R., Mumme, J., Carroll, C., **Campbell, M.**, Lesseig, K., & Kelley-Petersen, M. (2011). *Noticing leaders’ thinking about videocases of teachers engaged in mathematics tasks in professional development*. Paper presented at the Annual Meeting of American Educational Research Association, New Orleans, LA.

FUNDING AND GRANT ACTIVITY

Principal Investigator, *Mountaineer Mathematics Master Teachers (M3T): Supporting Teacher Leadership and Networked Improvement of Mathematics Education in West Virginia*

National Science Foundation, Directorate of Education & Human Resources, Division of Undergraduate Education, Robert Noyce Teacher Scholarship Program: Track 3, 2020-2026, \$2,999,596.

Principal Investigator, *Mountaineer Mathematics Master Teachers (M3T): Supporting Teacher Leadership and Networked Improvement of Mathematics Education in West Virginia*
West Virginia Department of Education, Division of Teaching and Learning, 2020-2025,
\$900,000.

Principal Investigator, *Mountaineer Mathematics Master Teachers (M3T): Supporting Teacher Leadership and Networked Improvement of Mathematics Education in West Virginia*
The Claude Worthington Benedum Foundation, 2019-2021, \$177,000.

Principal Investigator, *Mountaineer Mathematics Master Teachers (M3T): A Networked Improvement Community Building Capacity for Mathematics Teacher Leadership to Transform Math Education in West Virginia.*
National Science Foundation, Directorate of Education & Human Resources, Division of Undergraduate Education, Robert Noyce Teacher Scholarship Program: Track 3/Capacity Building, 2018-2019, \$75,000.

Co-Principal Investigator, *WVUteach: Building the Educational Infrastructure to Transform the Economy of West Virginia*
National Science Foundation, Directorate of Education & Human Resources, Division of Undergraduate Education, Robert Noyce Teacher Scholarship Program: Track 1, 2017-2022, \$1,200,000.

PRESENTATIONS

National and International

Burt-Kinderman, J., **Campbell, M.**, McLean, J., Whitlow, C., & Hanshaw, J (2024, March). *Empowering Math Teachers to Lead: Keeping What Bugs Teachers at the Center*. Session at the 2024 Carnegie Summit on Improvement in Education, San Diego, CA.

Campbell, M. (2023, June). *M3T: Supporting Teacher Leadership & Networked Improvement of Mathematics Education in West Virginia*. Poster at the 2023 NSF/AAAS Noyce Summit, Washington, DC.

Campbell, M., Vopal, A., & Frost, J. (2023, June). *Using Data and “Practical Measures” in Networked and Collaborative Improvement of Teaching*. Session at the 2023 NSF/AAAS Noyce Summit, Washington, DC.

Campbell, M., Burt-Kinderman, J. & Hanshaw, J (2023, April). *Structuring Change and Empowering Mathematics Teacher Voice in a Statewide Network*. Session at the 2023 Carnegie Summit on Improvement in Education, San Diego, CA

Campbell, M., Bolyard, J., Freeland, S. & Petrone, C. (2023, February). *Cultivating Teacher Leadership by Growing and Supporting Teacher Agency and Collaboration in Networked Improvement Communities*. Session at the annual meeting of the Association of Mathematics Teacher Educators, New Orleans, LA.

Burt-Kinderman, J., **Campbell, M.**, Nail-Cook, J., & Cook, E. (2023, February). *Centering “Bugs”, Structuring Change, and Empowering Teacher Voice in Statewide Networked Improvement and Professional Development*. Session at the annual meeting of the Association of Mathematics Teacher Educators, New Orleans, LA.

- Freeland, S. P., & **Campbell, M. P.** (2022, November). *Black students' tensions between freedom dreaming a new mathematics education and the status quo in rural Appalachia*. Paper at the Forty-fourth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Nashville, TN
- Campbell, M.**, & Burt-Kinderman, J. (2022, July). *M3T: Supporting Teacher Leadership & Networked Improvement of Mathematics Education in West Virginia*. Poster at the 2022 NSF/AAAS Noyce Summit, Washington, DC.
- Campbell, M.**, Burt-Kinderman, J., Riazi, A., & Packer, J. (2022, July). *Supporting Statewide, Networked Improvement of Mathematics Teaching: Tools from the M3T Project*. Session at the 2022 NSF/AAAS Noyce Summit, Washington, DC.
- Freeburn, B., Graysay, D., Konuk, N., Van Zoest, L., Stockero, S. L., Baldinger, E. E., & **Campbell, M. P.** (2022, February). *Designing and Implementing Rehearsals in Mathematics Teacher Education*. Session at the annual meeting of the Association of Mathematics Teacher Educators, Henderson, NV.
- Campbell, M. P.**, Baldinger, E. E., Karr, J. H., & Freeland, S. P. (2021, October). *Teacher Candidates' Construction of Characters in Scripts*. Paper at the Forty-third Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Philadelphia, PA.
- Karr, J., Baldinger, E. E., **Campbell, M. P.**, & Freeland, S. (2021, June). *Documenting Adaptive Expertise Through the Evolving Use of an Enactment Tool*. Poster at the Forth-second Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Virtual and Mazatlán, Sinaloa, Mexico.
- Campbell, M. P.**, & Burt-Kinderman, J. (2021, April). *Mountaineer Mathematics Master Teachers (M3T): Supporting and Leveraging Teacher Leadership in West Virginia*. Poster at the 2021 Carnegie Foundation for the Advancement of Teaching Summit on Improvement in Education, Virtual.
- Burt-Kinderman, J., **Campbell, M.**, & Nail-Cook, J. (2021, April). *Mountaineer Mathematics Master Teachers (M3T): A Teacher-Led Network to Improve Math Teaching*. Session at the 2021 Annual Meeting of the National Council of Teachers of Mathematics, Virtual.
- Karr, J., **Campbell, M. P.**, Baldinger, E., Freeland, S., & Graif, F. (2021, February). *Experiences with and Considerations for Coached Rehearsals in Secondary Mathematics Methods Courses*. Session at the Annual Meeting of the Association of Mathematics Teacher Educators, Virtual.
- Baldinger, E., **Campbell, M. P.**, Freeland, S., & Karr, J. (2021, February). *Scripting Tasks as Approximations of Practice in Secondary Methods Courses*. Session at the Annual Meeting of the Association of Mathematics Teacher Educators, Virtual.
- Campbell, M. P.** & Baldinger, E. E. (2020, April). *Teacher Candidates' Representation of Student Voice in Scripts of Whole-Class Mathematics Discussions*. In H. Ghousseini (Chair), *Approaches to Learning About Student Thinking in Practice-Based Teacher Education*. Symposium at the Annual Meeting of the American Educational Research Association, San Francisco, CA (Conference Canceled).

- McHenry-Sorber, E. & **Campbell, M. P.** (2020, April). *Teacher Shortage as a Local Phenomenon: District Leader Sense-Making, Agency, and Responsive Action*. Paper at the Annual Meeting of the American Education Research Association, San Francisco, CA (Conference Canceled).
- Campbell, M. P.**, Baldinger, E. E., Freeland, S., Graif, F., & Karr, J. (2019, November). *Learning to respond to errors: Evidence from scripting tasks*. Paper at the Forty-first Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, St. Louis, MO.
- Baldinger, E. E., & **Campbell, M. P.** (2019, November). *Cases of learning to respond to errors through approximations of leading whole-class discussions*. Paper at the Forty-first Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, St. Louis, MO.
- Campbell, M. P.**, & Baldinger, E. E. (2019, February). *Planted errors in coached rehearsals: Attending to the authenticity of an approximation of practice*. Session at the annual meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Baldinger, E. E., **Campbell, M. P.**, & Graif, F. (2018, November). *Examining teacher candidates' responses to errors during whole-class discussions through written performance tasks*. Paper at the Fortieth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Greenville, SC.
- Baldinger, E. E., **Campbell, M. P.**, & Graif, F. (2018, April). *Responding to student errors during classroom discussion: Deliberate opportunities to support teacher candidate development*. In J. Boaler (chair), *Responding to Student Thinking in Secondary Mathematics Classrooms: Studying and Supporting Teaching Practice*. Symposium conducted at the Annual Meeting of the American Educational Research Association, New York, NY.
- Campbell, M. P.**, Baldinger, E. E., Selling, S. K., & Graif, F. (2017, October). *Responding to students during whole class discussions: Using written performance tasks to assess teacher candidate practice*. Paper at the Thirty-ninth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Indianapolis, IN.
- Baldinger, E. E., **Campbell, M. P.**, Selling, S. K., & Graif, F. (2017, October). *Investigating practice through rehearsals: How teacher candidates respond to student contributions in whole-class discussions*. Paper at the Thirty-ninth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Indianapolis, IN.
- Campbell, M. P.**, Elliott, R., Baldinger, E. E., Selling, S. K., Webb, J., & Wieman, R. (2017, October). *Advancing pedagogies of enactment in mathematics professional education: Implications for research and practice*. Working group at the Thirty-ninth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Indianapolis, IN.
- Campbell, M. P.**, Selling, S.K., & Baldinger, E. (2017, February). *Investigating pedagogies of practice that support novices' responding to student errors during classroom discussion*. Session at the annual meeting of the Association of Mathematics Teacher Educators, Orlando, FL.

- Jones, S., & **Campbell, M. P.** (2017, February). *Using rehearsals to support secondary teacher candidates' use of student ideas in whole-class discussions*. Session at the annual meeting of the Association of Mathematics Teacher Educators, Orlando, FL.
- Campbell, M. P.**, Selling, S. K., Aaron, W. R., Van Zoest, L., Ghousseini, H., Elliott, R., Freeburn, B., Baldinger, E., Wieman, R., Lesseig, K., Knapp, M., Virmani, R., & Garcia, N. (2016, November). *Designing and researching pedagogies of rehearsal and enactment for secondary mathematics teacher development*. Working group at the Thirty-eighth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, AZ.
- Campbell, M. P.** (2016, April). *An analysis of secondary mathematics teacher candidate practice to inform responsive teacher education designs*. Paper at the Annual Meeting of the American Education Research Association, Washington, DC.
- Aaron, W. R., **Campbell, M. P.**, Elliott, R., Kelemanik, G., Knapp, M. C., Lesseig, K., & Lucenta, A. (2016, April). *Ambitious enactments in secondary math methods courses*. Session at the annual National Council of Teachers of Mathematics Research Conference, San Francisco, CA.
- Bolyard, J., **Campbell, M.**, Selmer, S., & Valentine, K. (2016, January). *Integrated STEM initiatives: Issues, challenges, and opportunities for mathematics teacher education*. Session at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Campbell, M. P.** (2015, April). *Conceptualizing and designing responsive teacher education using activity theory*. Session at the annual National Council of Teachers of Mathematics Research Conference, Boston, MA.
- Campbell, M. P.**, & Elliott, R. (2014, February). *Approximations of co-constructed instructional explanations as tools of ambitious teaching for novice secondary mathematics teachers*. Session at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Campbell, M.**, & Elliott, R. (2013, April). Understanding the facilitation of teachers' collective mathematics work to develop specialized content knowledge. In R. Elliott (chair), *The complexity of mathematics leaders learning to facilitate mathematical knowledge for teaching*. Symposium conducted at the Annual Meeting of the American Educational Research Association, San Francisco, CA.
- Elliott, R., Lesseig, K., Seago, N., Kazemi, E., Carroll, C., **Campbell, M.**, & Kelley-Petersen, M. (2013, April). *Supporting math leaders learning facilitation: Developing a research agenda*. Session presented at the National Council of Teachers of Mathematics Research Pre-session, Denver, CO.
- Campbell, M. P.** & Elliott, R. (2011, October). *An analytic frame for examining teachers' collaborative mathematics work to develop specialized content knowledge*. Paper presented at the Thirty-third Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Reno, NV.
- Elliott, R., et al. (including **Campbell, M.**). (2011, April). *Teachers' specialized content knowledge: Task use in classrooms and professional education*. Work session at the National Council of Teachers of Mathematics Research Pre-session, Indianapolis, IN.

- Elliott, R., Lannin, J., Lesseig, K., **Campbell, M.**, & Perkowski, M. (2011, January). *Establishing valid mathematical justification for teachers and students*. Discussion session at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Kazemi, E. with RMLL (including **Campbell, M.**), mod4, & Dev-Te@m (2011, January). *Designing professional development to build specialized mathematical knowledge for teaching*. Preconference session at the annual meeting of the Association of Mathematics Teacher Educators, Irvine, CA.
- Elliott, R., Lesseig, K., & **Campbell, M.** (2010, October). *Teachers' productions of algebraic generalizations and justification: Images of specialized content knowledge*. Paper presented at the Thirty-second Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, OH.
- Elliott, R., **Campbell, M.**, et al. (2010, October). *Leaders' sense making of frameworks for facilitating mathematical work in professional development*. Poster presented at the Thirty-second Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, OH.
- Mumme, J., Carroll, C., Elliott, R., Lesseig, K., **Campbell, M.**, et al. (2010, October). *Advancing leaders' capacity to advance teacher learning while doing mathematics*. Poster presented at the Thirty-second Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, OH.
- Campbell, M. P.** (2009, September). *Mathematics teachers and professional learning communities: Understanding professional development in collaborative settings*. Paper presented at the thirty-first Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Atlanta, GA.
- McCulloch, A. W., **Campbell, M. P.**, & Hedges, J. P. (2009, September). *Promoting effective graphing calculator use: Revealing unintentional privileging*. Paper presented at the Thirty-first Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Atlanta, GA.
- McCulloch, A. W. & **Campbell, M. P.** (2009, April). *Graphing calculators: Promotion, perception, and use*. Poster presented at the National Council of Teachers of Mathematics Research Pre-session, Washington, D.C.

Regional, State, and Local

- Burt-Kinderman, J., & **Campbell, M.** (2020, March). *M3T: How Six Districts Are Improving 6-12 Math*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.
- Burt-Kinderman, J., & **Campbell, M.** (2020, March). *M3T: Teacher-Led Multi-District Network to Improve Math in 6-12*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.
- Campbell, M.**, & Burt-Kinderman, J. (2020, March). *M3T: Supporting Teacher Leadership and Networked Improvement in 6-12 Math*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.

- Campbell, M.** (2019, March). *Sorting out definitions*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.
- Burt-Kinderman, J., & **Campbell, M.** (2019, March). *Mountaineer Mathematics Master Teachers (M3T)*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.
- Campbell, M.** (2018, March). *Supporting mathematical argumentation with Comparing Quantities activities*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.
- Campbell, M.** (2018, March). *West Virginia Mathematics Teacher Education Partnership: Building Community*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.
- Campbell, M.** (2017, March). *Not just number: Supporting student talk around representation and concept*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.
- Campbell, M.** (2017, March). *Put me in coach!: Supporting teachers' instruction with coached rehearsal*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.
- Jones, S., & **Campbell, M.** (2017, March). *Tell us about it! Making student reasoning central to class discussions*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.
- Campbell, M.,** & Jones, S. (2016, March). *Looking for and making use of structure with "Contemplate then Calculate"*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.
- Campbell, M.,** & Elliott, R. (2013, February). *Instructional activities for supporting the development of high leverage teaching practices*. Session presented at the annual conference of the Oregon Association of Teacher Educators, Portland, OR.
- Campbell, M. P.** (2009, March). *Mathematics teachers and professional learning communities: Understanding professional development in collaborative settings*. Poster presented at the annual North Carolina State University Graduate Research Symposium, Raleigh, NC.
- Campbell, M.,** Edgington, C. & Myers, M. (2008, March). *Nurturing mathematics dreamkeepers*. Poster presented at the annual North Carolina State University Graduate Research Symposium, Raleigh, NC.
- Campbell, M.** (2005, April). *Developing integrated mathematics lessons: An undergraduate research project*. Poster presented at the annual North Carolina State University Undergraduate Research Symposium, Raleigh, NC.
- Campbell, M.,** & Stohl, H. (2004, October). *Developing integrated mathematics lessons: An undergraduate research project*. Session presented at the annual conference of the North Carolina Council of Teachers of Mathematics, Greensboro, NC.
- Stohl, H., & **Campbell, M.** (2003, October). *Connecting empirical and theoretical probability with simulations*. Session presented at the annual conference of the North Carolina Council of Teachers of Mathematics, Greensboro, NC.

Invited Presentations, Seminars, and Sessions

- Campbell, M. P.** (2022, March). *Approximating Practice in Mathematics Teacher Education: Supporting and Revealing Teacher Candidate Learning*. Presentation at Northern Arizona University STEM Education Seminar Series, Department of STEM Education and Center for Science Teaching & Learning, Flagstaff, AZ.
- Campbell, M.** (2018, April). *Where are all the math teachers?* Presentation at WVU College of Education & Human Services Celebration of Scholars, Morgantown, WV.
- Campbell, M.** (2016, April). *Practice-focused pedagogies for teacher development: Exploring theoretical and methodological approaches for research and design*. Presentation at University of North Carolina at Greensboro School of Education, Department of Teacher Education and Higher Education, Greensboro, NC.
- Bolyard, J., & **Campbell, M.** (2014, December). *Teaching and learning mathematics in K-12 schools in the era of the Common Core State Standards*. Presentation at the West Virginia University Department of Mathematics colloquium, Morgantown, WV.
- Campbell, M.** (2013, June). *Collecting, managing, and using video in teacher education*. Session presented to Oregon State University College of Education, Corvallis, OR.
- Elliott, R., **Campbell, M.**, Aaron, W. (2013, February). *Secondary instructional activities supporting the CCSSM: Tools for student and teacher learning*. Session presented at the 2013 Teachers Development Group Leadership Seminar, Portland, OR.
- Lesseig, K., Kelley-Petersen, M., **Campbell, M.**, & Elliott, R. (2012, February). *The role of mathematical justification in professional development: What is the specialized knowledge for teachers?* Session presented at the 2012 Teachers Development Group Leadership Seminar, Portland, OR.

Invited Panels

- Campbell, M.**, & Bolyard, J. (2022, April). *Grant Writing for the National Science Foundation*. Breakout Session as Part of the Big XII “Research Enhanced Dialogues,” Virtual.
- Campbell, M.**, Burt-Kinderman, J., & M3T Fellows (2021, August). *M3T: Learning from New Approaches of Supporting Instructional Improvement and Developing Teacher Leaders*. Panel at the West Virginia Department of Education Summer Professional Learning Forum, Virtual.
- Borden, M., **Campbell, M.**, & Mason Street, M. (2021, April). *Lessons to Learn in Education*. Panel at NC State sPark 2021 Symposium, Virtual.
- Burt-Kinderman, J., **Campbell, M.**, Nail-Cook, J., Barr, K., & Webster, J. (2020, July). *Mountaineer Mathematics Master Teachers (M3T): Lessons from a District Pilot*. Session presented at the West Virginia Department of Education *math4life* Virtual Summit.
- Reeves, J., Barth, J., **Campbell, M.**, Robertson-Honecker, J., & Morris, T. (2018, December). *Supporting West Virginia Educators*. Panel at the West Virginia Public Education Collaborative Legislators’ Forum on Education and the Economy, Morgantown, WV.
- Lawson, A., **Campbell, M.**, & Lawson, K. (2018, April). *Education and Empowering Citizens*. Panel at NC State sPark 2018 Symposium, Raleigh, NC.

Campbell, M., Hahn, N., Jordan Hathcock, J., & Lawson, A. (2016, April). *How to become and education advocate*. Panel at NC State sPark 2016 Symposium, Raleigh, NC.

Langer-Osuna, J., **Campbell, M.,** & Keifert, D. (2015, October). *Studiocode: Keys to successful implementation*. Panel at Studiocode Research Conference, Stanford, CA.

OTHER PROJECT EXPERIENCE

Graduate Research Assistant, *Mathematics Practice Cycle* 2010-2014
PIs: Dr. Rebekah Elliott, Dr. Wendy Rose Aaron, and Dr. Ron Gray

Graduate Research Assistant, *Researching Mathematics Leader Learning* 2009-2012
PI: Judith Mumme, Co-PIs: Dr. Rebekah Elliott, Dr. Elham Kazemi, Cathy Carroll

Graduate Research Assistant, North Carolina State University & The Friday Institute for Educational Innovation

Grant and Paper Writing with Dr. Paola Sztajn, Department of Elementary Education 2008-2009

Graphing Calculators: Promotion, Perception, & Use 2008-2009
PI: Dr. Allison McCulloch, Department of Mathematics, Science, & Technology Education

Nurturing Mathematics Dreamkeepers (NMD) 2007-2008
PI: Dr. Patricia Marshall, Co-PIs: Dr. Allison McCulloch & Dr. Jessica Decuir-Gunby

UNIVERSITY TEACHING

Faculty, West Virginia University 2014-present

Undergraduate Initial Teacher Education Courses

C&I 434: Teaching Mathematics in Secondary Schools
C&I 432: Curriculum & Technology in Mathematics
UTCH 221: Knowing and Learning in Mathematics and Science
C&I 230: Mathematics for Elementary Teachers 1
C&I 231: Mathematics for Elementary Teachers 2

Post-Baccalaureate Initial Teacher Education Courses

C&I 634: Teaching Mathematics in Secondary Schools
C&I 632: Research on Mathematics Curriculum & Technology
C&I 630: Problem Solving in Mathematics

Graduate Courses

C&I 707: Research on and Theories of Teaching
C&I 793: Sociocultural and Critical Theories of Learning
SCFD 615: Qualitative Research Methods
SCFD 693: Case Study, Ethnography, and Narrative Inquiry in Education
C&I 790: Graduate Teaching Practicum
C&I 795: Independent Study
C&I 797: Research

Graduate Instructor , Oregon State University	2010-2014
SED 574: Mathematics Pedagogy & Technology I	
SED 576: Mathematics Pedagogy & Technology II	
SED 552/553: Science & Mathematics Methods	
SED 414/514: Inquiry in Mathematics & Mathematics Education	
SED 513/514: Inquiry in Science & Mathematics Education	
SED 412/512: Technology Foundations for Teaching Mathematics & Science	
Graduate Teaching Assistant , Oregon State University	2014
SED 515: Master's Project (with Dr. Rebekah Elliott)	
Adjunct Instructor , Willamette University Graduate School of Education	2010-2011
EDUC 533A: Methods & Research in Mathematics Education at the Middle Level	
EDUC 533B: Methods & Research in Mathematics Education at the Secondary Level	
Graduate Teaching Assistant , North Carolina State University	2009
ELM 410: Children's Thinking and Multiplicative Reasoning (with Dr. Paola Sztajn)	

STUDENT ADVISING & COMMITTEES

Doctoral Students (Chair/Advisor)

Stephanie Jones (Curriculum & Instruction/Mathematics Education; co-chair with Dr. Johnna Bolyard)	<i>graduated</i> 2018
Sean Freeland (Educational Theory and Practice)	<i>graduated</i> 2022
Joshua Karr (Educational Theory and Practice)	<i>graduated</i> 2022
Ashley Smith (Educational Theory and Practice)	<i>program in progress</i>

Doctoral Students (Committee Member)

Carra Johnson (Sport, Exercise, and Performance Psychology)	<i>graduated</i> 2021
Sarah Powell (Educational Theory and Practice)	<i>graduated</i> 2022
Kevin Lou (Sport, Exercise, and Performance Psychology)	<i>graduated</i> 2023
John Hansen (Physics)	<i>graduated</i> 2023
Joshua Case (Educational Theory and Practice)	<i>graduated</i> 2024
Paige Zalman (Higher Education)	<i>graduated</i> 2024
Catherine Manley (Learning Sciences & Human Development)	<i>graduated</i> 2024
Christina Glance Petrone (Educational Theory and Practice)	<i>dissertation in progress</i>
Susan Taylor (Education)	<i>dissertation in progress</i>
Jennifer Manor Kearns (Education)	<i>dissertation in progress</i>
Katie Beck (Higher Education)	<i>program in progress</i>
Evana Nusrat Dooty (Learning Sciences & Human Development)	<i>program in progress</i>
Kimberly Goletz (Educational Theory and Practice)	<i>program in progress</i>

Master's Students (Thesis Committee Member)

Rachel Cecil (Art Education)	<i>graduated</i> 2016
Joanna Burt-Kinderman (Higher Education Curriculum & Teaching)	<i>graduated</i> 2016

Master of Arts plus Certification (MAC) Students

Academic Advisor - Secondary Mathematics 2015-2018

PROGRAM DEVELOPMENT & COORDINATION

Program Coordinator, Secondary Mathematics & Science Teacher Education 2023-present
Accreditation Reporting Lead, Secondary Mathematics Teacher Education 2014-present
Program Coordinator, Ph.D. in Educational Theory and Practice 2019-2023
Contributor, Program Development and Revision 2014-2023
Master of Arts and Certification (MAC)
WVUteach

OTHER K-12, COLLEGE, AND PROFESSIONAL TEACHING/FACILITATION

Mountaineer Mathematics Master Teachers 2018-present
Monongalia County High School Math Cadre 2014-2015
Co-planned, co-facilitated, and consulted on a series of professional development sessions for high school mathematics teachers in Monongalia County, WV
Staff Advisor, NC State Park Scholarships 2007-2008
Mathematics Teacher, Duke TIP Academic Adventures 2007-2008
SAT Prep Mathematics Instructor, Educational Services Center 2007-2008
High School Mathematics Teacher 2005-2007
Deer Park High School, Deer Park, NY
Athens Drive High School, Raleigh, NC
Student Teacher (Mathematics) 2004
Athens Drive High School, Raleigh, NC
Head Facilitator, NC State Park Scholarships Freshman Retreat 2004 & 2007

SERVICE

Professional Service

Associate Vice President, AMTE STaR Program Fundraising 2023-2026
Cohort Liaison, AMTE STaR Fellowships Program 2021-present
Mentor, AMTE Manuscript Review Groups 2022, 2023
Member, AMTE STaR Fundraising Committee 2019-2023
Mentor, PME-NA Doctoral Consortium 2022
Editorial Panel, *Mathematics Teacher Educator*
Chair/AMTE Associate Vice President 2021-2022
Panel Member 2019-2022
Review Panel Member, National Science Foundation 2018, 2020

Member, APLU Mathematics Teacher Education Partnership, Transformation Working Group	2016-2018
Session Chair, AERA Annual Meeting, Division K	2016
Journal Reviewer	<i>recurring</i>
<i>Journal of Teacher Education</i>	
<i>Journal for Research in Mathematics Education</i>	
<i>Teaching and Teacher Education</i>	
<i>Teachers College Record</i>	
<i>Journal of Mathematics Teacher Education</i>	
<i>Mathematics Teacher Educator</i>	
<i>School Science and Mathematics</i>	
<i>Mathematics Teacher Education and Development</i>	
<i>Mathematics Teacher: Learning & Teaching PreK-12</i>	
<i>Mathematics Teaching in the Middle School</i>	
<i>Mathematics Teacher</i>	
Conference Reviewer	<i>recurring</i>
PME-NA Annual Meeting	
AMTE Annual Meeting	
AERA Annual Meeting – SIG-Research in Mathematics Education	
AERA Annual Meeting – Division K	
NCTM Research Conference	
West Virginia University	2014-present
<i>University Service</i>	
Member, Career Services Taskforce	2023-2024
Member, Faculty Rewards and Recognition Committee	2021-2022
Liaison, West Virginia Public Education Collaborative	2019-2020
Member, WVU and Monongalia County Schools “Metro School” Planning Committee	2019-2020
Member, University Graduate Council	2017-2019
Reviewer, University Graduate Fellowship Selection	2019
WVU Team Leader, APLU Mathematics Teacher Education Partnership	2016-2018
Committee Member, WVUteach Master Teacher Annual Review	2016-2018
Search Committee Member, WVUteach Master Teacher Search	2015, 2017, 2018
Faculty Advisor, WVU Council for Mathematics Education	2015-2017
<i>College Service</i>	
Member, CAHS Promotion and Tenure Guidelines Task Force	2023-2024
Committee Member, CAHS Academic Affairs Committee	2023-2024

Chair, CAHS Graduate Academic Affairs Committee	2022-2023
Chair, CEHS & CPASS Promotion and Tenure Working Group	2021-2022
CEHS Faculty Executive Committee	
Past-Chair	2020-2021
Chair	2019-2020
Search Committee Member, CEHS Recruitment Specialist Search	2019
Committee Chair, CEHS Hall of Fame	2017
Faculty Judge, CEHS Student Research Poster Fair	2017
WVU PDS Liaison (University High School)	2015-2016
Faculty Facilitator, Practitioner Inquiry Conference	2015, 2016
<i>School/Department Service</i>	
Chair, Curriculum Committee	2020-2022
Chair, Graduate Committee	2017-2019
Committee Member, Faculty Annual Review Committee	2016-2017
Search Committee Member, Higher Education Faculty Search	2015-2016
Committee Member, Promotion & Tenure Committee	2015-2016
Committee Member, Certification Committee	2014-2015
<i>State Service</i>	
West Virginia County of Teachers of Mathematics	
Past-President	2024-2025
President	2022-2024
President-Elect	2021-2022
Vice President – College/University	2019-2021
University Liaison, West Virginia <i>math4life</i> Leadership Team	2019-2023
WVDE State Mathematics Standards Review Group	2022
West Virginia Partnership Team Leader, APLU Mathematics Teacher Education Partnership	2016-2018
Selection Committee Member, West Virginia Finalists for Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST)	2017
Meeting Participant, WVDE Meeting on Praxis CASE (Mathematics)	2015
Meeting Participant, CEEDAR Center	2015
Community and Other Service	
Member, Monongalia County Schools Superintendent’s Advisory Council	2021-2022
Parent Member, Mountainview Elementary School Local School Improvement Council (LSIC)	2020-2022

Park Scholarships (North Carolina State University)

Voting Member, Park Alumni Society	2022-2024
Regional Selection Committee Member (various regions)	2007-present
Class Liaison, Class of 2005	2019-2021
Regional Selection Committee Leader (Central U.S. Region)	2016-2020
Regional Selection Chair — NC Mountain Region	2007-2008
Keynote Speaker, University High School (Morgantown, WV) Mu Alpha Theta Math Honor Society Induction Ceremony	2014

AWARDS AND HONORS

Nominee, WVU Nicholas Evans Excellence in Advising Award	2023
Awardee, West Virginia Council of Teachers of Mathematics (WVCTM) College/University Teacher of the Year	2023
Nominee, WVU College of Education and Human Services Outstanding Researcher Award	2021
Nominee, WVU Foundation Awards for Outstanding Teaching	2020
Awardee, WVU College of Education and Human Services Outstanding Teaching Award	2019
Inductee, Patchogue-Medford (NY) Hall of Fame	2019
Nominee, WVU College of Education and Human Services Outstanding Teaching Award	2015, 2017, 2019
Nominee, UTeach STEM Educators Association (USEA) Outstanding Faculty Teaching Award	2019
Funded Participant, Scholarly Inquiry and Practices Conference for Mathematics Education Methods	2015
Service, Teaching, and Research (STaR) Mathematics Education New Faculty Fellowship Program	2015
Mathematics Teacher Education Partnership (MTE-P) Fellow	
Awardee, Oregon State University Graduate Student Travel Award	2013
Selected Participant, AERA Division K Graduate Student Seminar	2013
University Club of Portland Foundation Graduate Fellowship	2011
Nominee, Department of Science and Mathematics Education, Oregon State	
NC State Pollock Thesis and Dissertation Award	2009
College of Education Awardee and University Nominee	
NC State Graduate Research Symposium	2009
First Place, Education Category	
The Park Scholarship at NC State University	2001-2005

PROFESSIONAL AFFILIATIONS

National Council of Teachers of Mathematics (NCTM)

Association of Mathematics Teacher Educators (AMTE)

North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA)

American Educational Research Association (AERA)

Division K – Teaching and Teacher Education

Special Interest Group – Research in Mathematics Education

West Virginia Council of Teachers of Mathematics (WVCTM)