



Curriculum Vita
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EDUCATION

Doctor of Philosophy, Educational Mathematics
University of Northern Colorado, 2014

Master of Science, Mathematics
Western Michigan University, 2008

Master of Arts, Mathematics
Eastern Michigan University, 2005

Bachelor of Science, Mathematics
Eastern Michigan University, 2003

TEACHING EXPERIENCE

2020 – Present, Associate Professor, East Texas A&M University

2014 - 2020, Assistant Professor, Texas A&M University - Commerce

2009-2014, Teaching Assistant, University of Northern Colorado

2005-2008, Graduate Assistant, Western Michigan University

2003-2005, Mathematics Skills Center Coordinator, Eastern Michigan University

PUBLICATIONS

Journal Articles

- Dibbs, R. A.,** Lewis, K., Moon, J., & Steward, R. (2023). Using Bafa Bafa to help pre-service teachers experience microaggressions. *The Mathematics Educator*, 31(1), 5-29.
- Dibbs, R. A.,** & Boyle, S. (2022). Mondrian rectangles: A rich review activity. *Journal of Mathematics Teacher Education-Texas*, 12(2), 10-13.
- Dibbs, R. A.** (2021). Preservice teacher PCK gains in a special education supplemented methods course: A case study. *Journal of Mathematics Teacher Education-Texas*, 11(2), 12-14.
- McKinney, T., & **Dibbs, R.** (2021). Performance in Calculus II for students in CLEAR Calculus: A causal comparative study. *Pursue*, 4(1). Retrieved from <https://digitalcommons.pvamu.edu/pursue/vol4/iss1/3>.
- Dibbs, R. A.,** Hott, B. L., Martin, A., Raymond, L., & Kline, T. (2020). Combining like terms: A qualitative meta-synthesis of Algebra I interventions in mathematics and special education. *International Journal of Education in Mathematics, Science and Technology (IJEMST)*, 8(3), 219-232.
- Hott, B. L., & **Dibbs, R. A.** (2020). The faces of our research foundation: A qualitative synthesis of algebra strategy research. *International Journal of Research in Education and Science*, 6(1), 34-47.
- Dibbs, R. A.,** Beene, L., & Lewis, K. (2019). Using Classchatter to mediate controversial discussions in small teacher preparation programs: A case study. *Teaching for Equity and Excellence in Mathematics*.
- Hott, B. L., **Dibbs, R. A.,** Naizer, G., Raymond, L., Reid, C. C., & Martin, A. (2019). Practitioner perceptions of algebra strategy and intervention use to support students with mathematics difficulty or disability in rural Texas. *Rural Special Education Quarterly*, 38(1), 3-14.
- Dibbs, R. A.** (2019). Forged in failure: Necessary and sufficient conditions for student success in a repeated course. *Educational Studies in Mathematics*, 100(308), 1-16. <https://doi.org/10.1007/s10649-019-9877-0>
- Dibbs, R. A.** (2018). Modern Geometry I & II: A review. *Journal of Inquiry-Based Learning in Mathematics*, 47(1), 1-13.
- Dibbs, R.A.,** & Reynolds, J. (2018). Preservice teachers' noticing in a nontraditional calculus course: A case study. *Journal for Effective Schools Project*.
- Dibbs, R.A.,** Beach, J., & Rios, D. M. (2018). Limiting resources to build classroom community in a flipped pre-service teacher course for pre-service middle school teachers. *International Journal of Innovation in Education*, 5(1), 12-30.
- Dibbs, R.A.,** Beach, J. L., & Rios, D. M. (2018). Gotta walk them all: Using mathematical modeling to choose the best buddy in Pokémon Go. *Mathematics Teacher*, 112(1), 34-39.
- Dibbs, R.A.,** & Kline, T. (2018). Student achievement and test score calibration in introductory calculus. *Pursue*, 2(2), 27-33.
- Dibbs, R.A.,** & Hott, B. L. (2017). Using Smartpens to support classroom community development. *MAA Focus*, Jan 2017/Feb 2017, 34-35.

- Dibbs, R.A.**, Rios, D. M., & Christopher, B. (2017). Formative assessment and its influence on classroom community in calculus for life sciences. *The Qualitative Report*, 22(6), 1710-1726.
- Dibbs, R. A.**, Glassmeyer, D., & Yacoub, W. (2013). Students' perceived utility of precision taught calculus. *Qualitative Report*, 18(101), 1-15.
- Glassmeyer, D. M., & **Dibbs, R. A.** (2012). Researching from a distance: Using live web conferencing to mediate data collection. *International Journal of Qualitative Methods*, 11(3), 292-302.
- Glassmeyer, D. M., **Dibbs, R. A.**, & Jensen, R. T. (2011). Determining utility of formative assessment through virtual community: Perspectives of online graduate students. *Quarterly Review of Distance Education*, 12(1), 23-35.

Chapters in edited volumes

- Hott, B. L., **Dibbs, R. A.**, Hayes, D., & Raymond, L. (2017). Assessment in inclusive settings. In C. Curran (Ed), *Handbook of Research on Classroom Diversity and Inclusive Education Practices*. Hershey, PA: IGI Global.
- Dibbs, R. A.**, Glassmeyer, D. M., & Lahman, M. (2014). In M Lictman (Ed), *Qualitative research in the social sciences*. Thousand Oaks: Sage Publications.

Peer Reviewed Conference Proceedings

- Dibbs, R. A.**, & Celik, M. (2024). Investigating students' worldviews of complex multiplication and derivatives. In P. Drijvers, C. Csapodi, H. Palmér, K. Gosztonyi, & E. Kónya (Eds.), *Proceedings of the Thirteenth Congress of the European Society for Research in Mathematics Education (CERME13)*. Alfréd Rényi Institute of Mathematics and ERME. <https://hal.science/CERME13/hal-04406015v1>
- Dibbs, R. A.**, & Boyle, S. (2023). Building the bridge for collaborative mathematical instruction: Creating a community of practice among pre-service general and special education teachers. In J. Hodgen, E. Geraniou, G. Bolondi & F. Ferretti. (Eds.), *Proceedings of the Twelfth Congress of the European Society for Research in Mathematics Education (CERME12)* (pp.1-2). Free University of Bozen-Bolzano and ERME. https://hal.science/CERME12/search/index/?q=%2A&domain_t=math
- Boyle, S, & **Dibbs, R. A.** (2021). Building the bridge: Preparing general and special educators to teach math to students with significant disabilities. In A. Markelz, (Ed.), *TED 2021 Conference Proceedings: Steering into the Future* (pp 204-208). Teacher Education Division of the Council for Exceptional Children, Fort Worth, TX.
- Dibbs, R.A.**, & Beach, J. (2017). Transitioning from definitions to proof: Exploring non-Euclidean geometry in a college geometry course. In Dooley, T. & Gueudet, G. (Eds.) *Proceedings of the Tenth Congress of the European Society for Research in Mathematics Education (CERME10, February 1 – 5, 2017)*. Dublin, Ireland: DCU Institute of Education and ERME. <https://hal.archives-ouvertes.fr/CERME10-TWG04/hal-01925524v1>
- Beach, J., & **Dibbs R.A.** (2017). Raising reasoning through revision: A case study of an inquiry-based college course. *SIGMAA-RUME XX Conference Proceedings*.

- Dibbs, R.A., & Patterson, J.** (2016). Clearing the way for STEM majors in undergraduate calculus. *SIGMAA-RUME XIX Conference Proceedings*.
- Dibbs, R.A.** (2015). Formative assessment and achievement in introductory calculus: A growth model. *9th Congress of European Mathematics Education Proceedings*, Prague, Czech Republic. https://hal.archives-ouvertes.fr/CERME9/public/CERME9_NEW.pdf
- Dibbs, R. A., & Oehrtman, M.** (2014). Differential participation in formative assessment and achievement in undergraduate calculus. *SIGMAA-RUME XVII conference proceedings*, Denver, CO; <http://sigmaa.maa.org/rume/RUME17.pdf>.
- Goss, M., **Dibbs, R.A.**, & Powers, R. (2014). Professional development and student achievement on standardized state exams. *SIGMAA-RUME XVII conference proceedings*, Denver CO; <http://sigmaa.maa.org/rume/RUME17.pdf>.
- Dibbs, R. A.** (2013). Formative assessment and students' Zone of Proximal Development in introductory calculus. *SIGMAA-RUME XVI conference proceedings*, vol. 1. Denver, CO. <http://sigmaa.maa.org/rume/RUME16Volume1.pdf>.
- Dibbs, R. A., & Oehrtman, M. C.** (2012). Learning trajectories and formative assessment in introductory calculus. *SIGMAA-RUME XV conference proceedings*, vol. 2. Portland, OR. http://sigmaa.maa.org/rume/RUME_XV_Proceedings_Volume_2.pdf.
- Dibbs, R. A., Glassmeyer, D. M., Oehrtman, M. C., Swinyard, C., & Martin, J.** (2012, February). Authority dynamics in mathematical discussions. *SIGMAA-RUME-XV conference proceedings*, vol 2. Portland, OR. http://sigmaa.maa.org/rume/RUME_XV_Proceedings_Volume_2.pdf.

Peer-Reviewed Newsletter Articles

- Rios, D. L., & **Dibbs, R.A.** (2016). Building classroom community using smartpens. *Connections*. <https://amte.net/connections/2016/08/building-classroom-community-using-smartpens>
- Dibbs, R. A., & Rios, D. M.** (2016). Mathematics in my voice: The experiences of non-native English-speaking preservice teachers. *Link*, 7(1).
- Dibbs, R.A. & Rios, D. L.** (2016). Authority dynamics and group norms of preservice middle school teachers during group work pencasts, *Link*, 6(2), 10-11.