

Education

AS. Math Education.	Bellevue College.	2011 — 13
B.S. Mathematics.	Concordia University Texas.	2013 — 16
M.S. Mathematics.	Sam Houston State University.	2016 — 18
<i>Focus: Harmonic Analysis</i>		
<i>Advisor: Dr. Li-An D. Wang</i>		
Ph.D. Curriculum & Instruction.	Texas A&M University.	2018 — 22
<i>Focus: Math Education</i>		
<i>Chair: Dr. Roger E. Howe</i>		

Experience

Tutor.	Four Points Tutoring.	2015 — 16
Graduate Teaching Assistant.	Sam Houston State University.	2016 — 18
Teacher's Assistant: SMaRT Camp.	Texas A&M University.	2018
Research Fellow.	Texas A&M University.	2018 — 19
Professor.	Blinn College.	2018 — 19
Founder/Owner/CEO.	Xaetio, LLC	2019 —
Instructor: Aggie STEM Camp.	Texas A&M University.	2019
Graduate Teaching Assistant.	Texas A&M University.	2019 — 20
Founder/Owner/CEO.	Webster Running Co.	2020 —
Graduate Research Assistant.	Texas A&M University.	2020 — 22
Tutor.	Aggieland Tutoring.	2021 — 22
Professor.	Tyler Junior College.	2022 —

Teaching

MATH 1324.	Sam Houston State University.	2017 — F
MATH 1324.	Blinn College.	2018 — F
MATH 1314.	Blinn College.	2019 — Sp
STEM Advanced Coding.	Texas A&M University.	2019 — Su
STEM Engineering Design Principles.	Texas A&M University.	2019 — Su
MATH 1314 (online), 0224.	Blinn College.	2019 — F
MASC 351.	Texas A&M University.	2019 — F
MATH 0314, 1314, 1324.	Tyler Junior College.	2022 — Sp

Tutoring

Algebra, Calculus, Physics.	Four Points Tutoring.	2015 — 16
Math 1430 Calculus II.	Sam Houston State University.	2016
Math 1324 (online) Business Math.	Sam Houston State University.	2017
Advanced Modern Algebra.	Private.	2020
Real Analysis.	Private.	2020 — 21
All Undergrad Courses.	Aggieland Tutoring.	2021 — 22

Positions

Historian: American Mathematical Society.	Sam Houston State University.	2016 — 17
Graduate Affiliate.	Heterodox Academy.	2019 —
Senator: Graduate Student Senate.	Texas A&M University.	2019
[Cancelled] MME. Workshop co-organizer.	Texas A&M University.	2020
[Cancelled] MME. Session co-chair.	Texas A&M University.	2020

Honor Societies

<i>GKIH</i> S: Golden Key International.	Chapter: Texas A&M University.	2019
<i>KΔΠ</i> : Kappa Delta Pi.	Mu Chi Chapter: Texas A&M University.	2019
<i>ΠME</i> : Pi Mu Epsilon.	Eta Chapter: Texas A&M University.	2019
<i>HSF</i> : Honor Society Foundation.	Alpha Mu Chapter: Texas A&M University.	2020

Merits

Dean's List.	Concordia University Texas.	2016
\$1,500. C.O.S.E.T. Scholarship.	Sam Houston State University.	2017
\$25,000. Merit Fellowship.	Texas A&M University.	2018

Publications

7. ***Webster, J. S.** & Howe, R. E. On the structure of number: Primes, residues, and butterfly symmetry. *Annals of Mathematics*. 2023
6. *Bevan, D., Santarelli, L. G., **Webster, J. S.**, & Burlbaw, L. Texas teachers' algebra certification exams at the turn of the 20th century. *Journal TBD*. 2022
5. *Baucum, M. N., Capraro, R. M., Capraro, M. M., Calabrese, J. E., **Webster, J. S.**, & Thomas, A. But does it actually matter? A comparison of parametric vs. nonparametric designs. *Journal TBD*. 2022
4. ***Webster, J. S.**, & Howe, R. E. Action domain theory. *Philosophia Mathematica*. 2022
3. Huang, X., Xiao, Y., **Webster, J. S.**, Howe, R. E., & Li, Y. Exploring Shanghai students' mathematics learning as related to content presentation in textbooks: the case of the commutative property of addition. *ZDM Mathematics Education*. <https://doi.org/10.1007/s11858-022-01362-6> 2022
2. Bullock, E., **Webster, J. S.**, & Jones, D. Helpful and hindering features of GeoGebra: Understanding what affords conceptual understandings of definite integrals among pre-service middle grades mathematics teachers. *International Journal of Technology in Mathematics Education*, 28(2). <https://eric.ed.gov/?id=EJ1312652> 2021
1. Bullock, E., Roxburgh, A., Moyer-Packenham, P., Bektas, E., **Webster, J. S.**, & Bullock, K. Connecting the dots: Understanding the interrelated impacts of type, quality and awareness of design features in digital math games and related learning outcomes. *Journal of Computer Assisted Learning*, 37(2), 557-586. <https://doi.org/10.1111/jcal.12508> 2020

Presentations

8. Baucum, M. N., Capraro, R. M., Capraro, M. M., Calabrese, J. E., **Webster, J. S.**, & Thomas, A. *But Does it Actually Matter? A Comparison of Parametric vs. Nonparametric Designs*. Southwest Educational Research Association. Virtual. 2021
7. [Cancelled] Bullock, E., Roxburgh, A., Moyer-Packenham, P., Bektas, E., **Webster, J. S.**, & Bullock, K. *The Importance of Quality of Design Features in Digital Math Games*. American Educational Research Association. San Francisco, CA. 2020
6. [Cancelled] **Webster, J. S.** & Baucum, M. *Adding It Up, Competencies, and PBMCF*. Mathematics Matters in Education. College Station, TX. 2020
5. Baucum, M. N., **Webster, J. S.**, Capraro, M. M., Capraro, R. M., & Young, J. R. *Characteristics of Research-Based Interventions for Early Numeracy*. Research Council for Mathematics Learning. Las Vegas, NV. 2020
4. **Webster, J. S.**, & Bullock, E. *Affording Understanding of Definite Integrals: A Phenomenological Study of Undergraduate Experiences with a GeoGebra Application*. Southwest Educational Research Association. Arlington, TX. 2020
3. **Webster, J. S.**, Baucum, M., & Capraro, M. M. *Mathematics and Distance Running: A Theoretical Formulation for Phase-Based Mathematics Education*. Southwest Educational Research Association. Arlington, TX. 2020
2. St.Germaine, A., & **Webster, J. S.** *Cylindrical Prime Number Sieves, Wheels, and Group Properties*. Blinn College Research and Innovation Conference. Bryan, TX. 2019
1. Bevan, D., **Webster, J. S.**, & Santarelli, L. *Content and Pedagogical Knowledge in Texas Teachers' Mathematical Exams at the Turn of the 20th Century*. Central Texas Historical Association. Temple, TX. 2019