

**MARY D. CURTIS**

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**EDUCATION**

<b>Ph.D.</b>	<b>Geography Education</b> <i>Texas State University, San Marcos, TX</i>	2015
<b>M.S.</b>	<b>Instructional Technology</b> <i>University of Houston–Clear Lake, Houston, TX</i>	2004
<b>B.A.</b>	<b>Political Science</b> <i>Texas A &amp; M University, College Station, TX</i>	1997
<b>A.A.</b>	<b>Social Sciences/Humanities</b> <i>San Jacinto College, Pasadena, TX</i>	1994

**CERTIFICATIONS**

T-TESS Appraiser, Texas Education Agency (TEA)	2017-Present
Social Studies Composite, 6-12, Lifetime Provisional	1999-Present
Gifted & Talented Certification	2001-2008

**RESEARCH INTERESTS**

My research interests include: Geography education, teacher technological, pedagogical, and content knowledge (TPCK), adoption of innovative social science education practices (e.g., inquiry-based instruction, disciplinary literacy, place-based education, and teaching with geospatial technologies), effective teaching and best practices, cross-disciplinary transference (e.g., STEM and social studies), and teacher preparation.

**PROFESSIONAL EXPERIENCE**

**HIGHER EDUCATION**

<i>COLLEGE OF EDUCATION, UNIVERSITY OF HOUSTON-CLEAR LAKE</i>	
Assistant Professor of Curriculum and Instruction	2023-Present
COE Success Through Education Programs (STEP) Faculty Liaison	2023-Present
<i>CONTINUING AND PROFESSIONAL DEVELOPMENT DIVISION, SAN JACINTO COLLEGE, PASADENA, TX</i>	
STEMPACT Summer Camp Lead Instructor	Summer 2023
<i>COLLEGE OF EDUCATION, THE UNIVERSITY OF TEXAS AT ARLINGTON, ARLINGTON, TX</i>	
Assistant Professor	2015-2021
Social Studies (grades 7-12) Program Coordinator	2013-2021
Secondary and EC-12 Program Coordinator	2013-2020

Middle Level (grades 4-8) Program Coordinator	2017-2018
Visiting Assistant Professor	2013-2015
Director, Center for Social Studies Education	2012-2017
Director, College and Career Readiness Initiative (CCRI) Social Studies Faculty Collaborative	2012-2013

***DEPARTMENT OF GEOGRAPHY, TEXAS STATE UNIVERSITY***

Graduate Assistant	2011
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***THE GILBERT M. GROSVENOR CENTER FOR GEOGRAPHIC EDUCATION, TEXAS STATE UNIVERSITY***

Research Assistant	2009-2010; 2011-2012
Grosvenor Scholar, National Geographic Society, Washington, D.C.	2010-2011; 2008-2009

***TEXAS ALLIANCE FOR GEOGRAPHIC EDUCATION, TEXAS STATE UNIVERSITY***

Lead Teacher Consultant	2009-2012
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**STATE EDUCATION ORGANIZATION**

<b><i>REGION 10 EDUCATION SERVICE CENTER, RICHARDSON, TX</i></b>	JAN. 2022-SEPT.2022
Private Nonprofit Consultant, Special Revenue Team	

**SECONDARY EDUCATION**

***ALVIN INDEPENDENT SCHOOL DISTRICT, SHADOW CREEK HIGH SCHOOL***

Social Studies Teacher	MARCH-MAY 2023
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***CLEAR CREEK INDEPENDENT SCHOOL DISTRICT, CLEAR BROOK HIGH SCHOOL***

Social Studies Teacher	1998-2008
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**TEACHING**

***COURSES INSTRUCTED (ON CAMPUS AND ONLINE)***

***\*DESIGNED OR REDESIGNED COURSES***

**Undergraduate Courses**

- Social Studies Methods for EC-6 (TCED 4321)
- Methods in Secondary Social Studies (TCED 4361)
- Creative Arts and Social Studies in Dual Language Settings
- Pre-Adolescent/Adolescent Growth and Development
- Secondary Student Teaching Practicum\*
- Teaching Diverse Learners (Designed only)
- Teaching Social Studies in Early and Elementary Education
- Teaching Social Studies in the Secondary School\*
- World Regional Geography

## Graduate Courses

- Professional Learning Principals and Practices (EDCI 7139)
- Teaching Social Studies in Elementary School (TCED 5231)
- Advanced Teaching Models for Diverse Learners\*
- Curriculum Design, Implementation, and Evaluation
- Diverse Populations in Today's Schools\*
- Effective Classroom Instruction\*
- Effective Teaching and Learning for 21<sup>st</sup> Century EC-12 Students\*
- Implementing and Designing Classroom Research
- Student Teaching Practicum\*
- Understanding and Designing Classroom Research

## COURSE DEVELOPMENT

2024	EDCI 7139 Professional Learning Principals and Practices
2024	TCED 5231 Teaching Social Studies in Elementary School
2023-2024	TCED 4321 Social Studies Methods for EC-6
2023	TCED 4361 Methods in Secondary Social Studies
2019	EDUC 5314 Effective Classroom Instruction, redesign
2017-2018	EDUC 3301 Teaching Diverse Learners
2017-2018	EDUC 5305 Effective Teaching and Learning for 21 <sup>st</sup> Century EC-12 Students
2017-2018	EDUC 5309 Advanced Teaching Models for Diverse Learners
2014	EDUC 4343 Teaching Social Studies in Secondary Schools
2014	EDUC 5310 Diverse Populations in Today's Schools, redesign

## HONORS AND DISTINCTIONS

2024	SERA Research Grant Early Career Award, Southwest Educational Research Association (SERA)
2020	Invited to participate in the Fulbright-Hays Grant, Summer Multicultural Institute for Linked Education (SMILE) in Korea (Postponed due to COVID-19 Pandemic)
2020-2021	UTA Center for Research on Teaching and Learning Excellence (CRTLE), Professional Learning Community Faculty Fellow
2019-2020	UTA Innovation, Diversity, Excellence, Access, Success (IDEAS) Center Faculty Fellow, sponsored by the Center for Research on Teaching and Learning Excellence
2019	UT Regents' Outstanding Teaching Award (ROTA) Nominee
2019	Nominated for a position on the NCGE Board of Directors
2018	Nominated for a position on the NCGE Board of Directors
2017	Professor of the Year: Service above Self Award, provided by Arlington Sunrise Rotary
2017	Outstanding Graduate Advisor Nominee
2015	Early Career Scholar Research Workshop, National competitive program awarded to early career geography education scholars by the Grosvenor Center

- for Geographic Education and the National Center for Research in Geography Education.
- 2010 Sustainable Ecosystems, Enduring Cultures (SEEC) Ecuador participant; Fulbright-Hays Teacher Grant.
- 2008 Best Secondary Teaching Article for the *Journal of Geography*
- 2008, 2010 Grosvenor Scholar at National Geographic Society (2008-2009; 2010-2011)
- 2006 National Council for Geographic Education Distinguished Teacher Award

## SCHOLARLY PUBLICATIONS

- Curtis, M.D.** (2023). Review of book [Geography *Education in the Digital World: Linking Theory to Practice* by N. Walshe and G. Healy, Eds]. *Journal of Geography*, 122(2), 54-55.
- Curtis, M.D.** (2023). Review of book [Mentoring Geography Teachers in the Secondary School: A Practical Guide by G. Healy, L. Hammond, S. Puttick, and N. Walshe, Eds.] *Journal of Geography*, 122(6), 163-164.
- Curtis, M. D. & Deal, M.** (2023). Chapter 5 subject test: Social studies (808). In Cavallo A. (Ed.) *TEXES core subjects 4-8, 2<sup>nd</sup> Edition*. (pp. 237-378). Research & Education Association: Garden City, New York.
- Curtis, M. D. & Ferguson D.** (2023). Chapter 5 subject test III: Social studies (903). In Rosado, L.. (Ed.) *TEXES core subjects EC-6* (pp. 175-272). Research & Education Association: Garden City, New York.
- Curtis, M. D., & Green, A.** (2021). A systematic review of evidence-based practice for students with learning disabilities in social studies classrooms. *The Social Studies*, 1-15.
- Rosado, L., Amaro-Jimenez, C., Pant, M., **Curtis, M. D.**, & Nandakumar, V. (2020). Identifying barriers impeding bilingual and ESL teacher candidate success on state licensure exams. *NABE's Journal of Research and Practice*, 1-10.
- Curtis, M. D.** (2020). Towards understanding teachers' decisions to adopt geospatial technologies as instructional technologies: An examination of Everett Rogers' diffusion of innovation framework. *Journal of Geography*, 119(5), 147-158.
- Millsaps, L., Larsen, T., **Curtis, M. D.**, & Monakhova, M. (2020). Geography education and the borderlands: Using a marginalized discipline to teach about margins. In Fuerst-Bjelis and Leimgruber (Eds.), *Perspectives on Marginality: Globalization, Marginalization and Conflict-Political, Economic and Social Processes*. Springer: New York.
- Curtis, M. D.** (2019). Professional technologies in schools: The role of pedagogical knowledge in teaching with geospatial technologies. *Journal of Geography*, 118(3), 130-142.
- Baker, T., **Curtis, M. D.**, & Millsaps, L. (2019). Geotechnologies in spatial citizenship. In E.E. Shin & S. B. Bednarz (eds.) *Spatial citizenship education: Citizenship through geography* (pp. 117-131). Routledge, New York.
- Curtis, M. D.** (2016). Chapter 5: Subject test III: Social studies. In Rosado, L. A. (Ed.) *TEXES core subjects EC-6*. (pp. 167-252). Research & Education Association: Piscataway, New Jersey.
- Curtis, M. D.** (2015). Subject test: Social studies. In Cavallo A. (Ed.) *TEXES core subjects 4-8*. (pp. 175-271). Research & Education Association: Piscataway, New Jersey.
- Curtis, M. D.** (2015). *Analyzing the Diffusion of Geospatial technologies as instructional tools in high school geography education*. (Doctoral dissertation). Texas State University, San Marcos, TX.

- Battersby S. E., Mohan, A., Cooper, C. W., **Curtis, M. D.**, Lane, J., Tabor, L. K., & Wessell, J. (2013). What supports or promotes the development of geographic knowledge, skills, and practices? Pedagogy and research priorities to improve geography teaching and learning at the K-12 level. *Research in Geography Education*, 15, 29-43.
- Sawyer C. F., Butler, D. R., & **Curtis, M. D.** (2010). Using webcams to show change and movement in the physical environment. *Journal of Geography*, 109(6), 251- 263.
- Gilbert M. Grosvenor Center for Geographic Education. (2009). *Why Geography Is Important*. K. Foote, R. Hagelman, R. Morrill, and M. Solem, eds. **M. Curtis** and J. Adams Coordinating Editors. San Marcos, TX. (Editorial Review).
- Milson A. J., & **Curtis, M. D.** (2009). Where and why there? Spatial thinking with geographic information systems. *Social Education*, 73(3), 113-118.
- Fuhrmann, S., Stone, L. D., Casey, M. C., **Curtis, M. D.**, Doyle, A. L., Earle, B. D., ... Schermerhorn, S.M. (2008). Teaching disaster preparedness in geographic education. *Journal of Geography*, 107(3), 112-120.

#### *Under Review*

- Curtis, M.**, Waters, C. C. & Sparks, D. M. (*Under Review*). Towards a sense of belong: Women's voices about STEM in higher education and career pathways. Target Journal: *Journal of Science Teaching (JRST)*.

#### **TECHNICAL REPORTS**

- Curtis, M. D.** (2024). Center for faculty development grant report. University of Houston-Clear Lake, Center for Faculty Development.
- Curtis, M. D.** (2024). Center for education transformation support funds proposal final grant report. University of Houston-Clear Lake, College of Education.
- Curtis, M. D.** (2019). *Inquiry-based geography education opportunities (iGEO) grant report geography education grant*. Texas Higher Education Coordinating Board and the National Geographic Society.
- Curtis, M. D.** (2013). *College and Career Readiness Initiative (CCRI) Social Studies Faculty Collaborative 2008-2013 Grant Report*. The Texas Higher Education Coordinating Board.

#### **GRANTS AND CONTRACTS**

- 2024 Southwest Educational Research Association (SERA) Research Grant Assistant Professor Early Career Award. *Insightful Geographic Inquiry in Teaching Elementary (IGNITE) Social Studies!* Principal Investigator: **Mary D. Curtis**. \$1,000
- 2024 UHCL Center for Faculty Development. *Center for faculty development fund request: Improving your mentor network*. Principal Investigator: **Mary D. Curtis**. \$1,000
- 2023 UHCL Center for Educational Transformation. *Transforming EC-6 Social Studies TExES Exam Performance*. Principal Investigator: **Mary D. Curtis**. \$2,000
- 2020 UTA Center for Research on Teaching and Learning Excellence grant. *Post-Secondary Educators' Self-Reported Classroom and Pedagogical Changes Post-COVID-19*. Principal Investigator: **Mary D. Curtis**. Co-Principal Investigator: Candace Joswick. \$5,000

- 2019 Geography Education Grant, Texas Higher Education Coordinating Board and the National Geographic Society. *Inquiry-based Geography Education Opportunities (iGEO)*. Principal Investigators: **Mary D. Curtis** and Johnson Crutchfield. \$40,750
- 2018 UTA College of Education, Education Research Grant. *(Un)hidden Figures: A Mixed Methods Analysis of Women in STEM*. Principal Investigators: **Mary Curtis** and David Sparks. \$5,000
- 2017 UTA College of Education, Education Research Seed Grant. *Exploring the Impact of Geoinquiries on Elementary School Teachers' Perceptions of Social Studies Teaching and Spatial Thinking*. Principal Investigator: **Mary Curtis**. \$2,499.50
- 2016 *Border Land: The Struggle for Texas, 1821-1846*. Principal Investigators: Sam Haynes and **Mary Curtis**. Humanities Texas (original funding agency). \$1,500
- 2015 Digital Humanities Start-up Grant. Principal Investigators Sonja Watson and Kenton Ramsby. Co-Investigators: Kim Breuer, Scott Cook, **Mary Curtis**, and Alicia Rueda-Acedo. College of Liberal Arts. \$9,614
- 2012 College and Career Readiness Initiative. *Director, CCRI Social Studies Faculty Collaborative*, (Jeanne Gerlach, PI). The Texas Higher Education Coordinating Board (original funding agency), \$1.2M. 5-year grant, final year

## PRESENTATIONS

*Conference Papers, Posters, and Workshops*

### *NATIONAL AND INTERNATIONAL CONFERENCES*

- Curtis, M.D.** & Larsen, T. (October, 2024). Research Roundtable for Geography Education. National Conference for Geographic Education. Tempe, AZ.
- Waters, C. C. & **Curtis, M. D.** (October, 2024). A Data Visualization Experience for Pre-Service Teachers (ADVIZE): Application in EC-6 Science and Social Studies Methods Courses. Southwest Association of Science Teacher Education. Denton, TX.
- Curtis, M.D.** (April, 2024). *Trauma Informed Leadership Leading the Way for GeoInquiry in Secondary Education*. American Association of Geographers Annual Meeting. Honolulu, HI.
- Sparks, D.M. & **Curtis, M.D.** (February, 2024). *To STEM or Not to STEM, That is the Question: Building a Clearer Understanding of STEM Definitions Through the Voices of Female Faculty and Students*. Association for Science Teacher Education International Conference. Paper. New Orleans, LA.
- Curtis, M.D.** (February, 2024) *GIS ACES: GIS Active Classroom Exploration for Science*. Association for Science Teacher Education International Conference. Workshop. New Orleans, LA.
- Curtis, M.D.** (2023, April). *Women in STEM: Implications of Female Perspectives of STEM for Geography Education and Careers*. Paper presentation at the American Association of Geographers Annual Meeting. Denver, CO.
- Curtis, M.D.** and Waters, C.C. (2023, April). *Female Perceptions of STEM: Reflecting on Why They Matter*. Paper presentation at the National Association for Research in Science Teaching. Chicago, IL.
- Curtis, M. D.**, Waters, C. C. & Sparks, D. M. (2023, February). *Females in Higher Education: A Comparison of Perspectives and Mainstream Definitions in STEM*. Association of Science Teacher Education. Salt Lake City, UT.

- Curtis, M. D.** & Waters, C. C. (2022, March). *STEM or Not to STEM: Exploring Female Perceptions on STEM*. Paper presentation at the National Science Teacher Association Conference. Houston, TX.
- Curtis, M.** (2019, November). *21st century teaching: Inquiry, powerful disciplinary knowledge & differentiation*. Paper presented at the National Council for the Social Studies and National Council for Geographic Education (combined) Conference. Austin, TX.
- Shin, E. Bednarz, S., Stoltman, J. Thorton, S. Schmidt, S., Jo, I., Hinde, E., Baker, T., Millsaps, L., & **Curtis, M.** (2019, November). *Spatial citizenship education: citizenship through geography*. Book chapter presented at the 2019 College and University Faculty Assembly (CUFA) Conference. Austin, TX.
- Curtis, M.** (2019, April). *Powerful geography's place in preparing social studies educators*. Paper presented at the American Association of Geographers Annual Meeting. Washington, D.C.
- Curtis, M.** (2018, November). *Powerful geography's place in current trends in American education*. Paper presented at the Powerful Geography Conference. San Juan, Costa Rica.
- Curtis, M.** (2018, August). *Elementary teachers GETS IT!* Paper presented at the International Geographical Union (IGU) Regional Conference. Quebec City, Quebec, Canada.
- Curtis, M.** (2018, April). *Using GeoInquiries to integrate GIS as instructional technology in elementary social studies*. Paper presented at the American Association of Geographers Annual Meeting. New Orleans, LA.
- Curtis, M.** (2017, April). *Geospatial technologies in high school geography: A need for stronger pedagogy*. Paper presented at the American Association of Geographers Annual Meeting. Boston, MA.
- Curtis, M.** (2017, April). *Learning geography in early education*. Paper presented as part of the *Spatial Thinking and Learning Progressions: International Case Studies* panel organized by I. Jo and X. Xiang. American Association of Geographers Annual Meeting. Boston, MA.
- Collins, D., **Curtis, M.**, Myers J., & Smith J. (2016, October). *Strengthening partnerships: A continuing journey toward professional development schools*. Paper presented at the annual meeting for the 2016 Annual Conference of the National Network for Educational Renewal. Arlington, TX.
- Curtis, M.**, Collins, D., & Myers J. (2016, July). *Constructing preschoolers' spatial sense of place*. Paper presented at the annual meeting for the National Conference on Geographic Education. Tampa, FL.
- Smith J., Collins, D., **Curtis, M.**, & Myers J. (2015, October). *Enhancing education for everyone: Strengthening simultaneous renewal*. Paper presented at the annual meeting for the 2015 Annual Conference of the National Network for Educational Renewal. Chico, CA.
- Curtis, M.** (2015, August). *Geospatial technologies and high school geography—What's the problem?* Paper presented at the annual meeting for the National Conference on Geographic Education. Washington, DC.
- Curtis, M.** (2015, August). *Benefits, challenges, and motivation: Why use geospatial technologies?* Paper presented at the annual meeting for the National Conference on Geographic Education. Washington, DC.

- Curtis, M.** (2014, August). *Analyzing the acceptance of geospatial technologies into high school geography education*. Paper presented at the annual meeting for the National Conference on Geographic Education. Memphis, TN.
- Curtis, M.** *Geospatial technologies* (Table leader). (2014, August). Geography Research Roundtable organized by Audrey Mohan and Eui-Kyung Shin. Paper presented at the annual meeting for the National Conference on Geographic Education. Memphis, TN. (Invited)
- Curtis, M.** (2012, October). *Geospatial technology acceptance and use by American high school geography teachers*. Paper presented at the annual meeting for the National Conference on Geographic Education. San Marcos, TX.
- Curtis, M.** (2012, April). *Geospatial technology: Acceptance and use in American high school geography classrooms*. Paper presented at the annual meeting for the Geographical Association Annual Conference. Manchester, England, United Kingdom.
- Curtis, M.,** Stamper N., Patton M., & Hann D. (2012, February). *America's global awareness: A report on secondary geography education requirements*. Paper presented at the American Association of Geographers Annual Meeting. New York, NY.
- Nagel, P., Palmer A., Palmer R., & **Curtis, M.** (2010, November). *Tried and true GIS practices for the middle/high school classroom*. Paper presented at the annual meeting for the National Council for the Social Studies Conference. Denver, CO.
- Mohan, A., **Curtis, M.** & Rodriguez P. (2010, September). *Sustainable ecosystems, enduring cultures (SEEC) Ecuador*. Paper presented at the annual meeting for the National Conference on Geographic Education. Savannah, GA.
- Curtis, M.,** Scholz M., Kleitches L., and Stamper N. (2010, September). *Geography classes required for middle school and high school across the states*. Paper presented at the annual meeting for the National Conference on Geographic Education. Savannah, GA.
- Curtis, M.** (2010, April). *Acceptance of geospatial technology in American education*. Paper presented at the American Association of Geographers Annual Meeting. Washington, D.C.
- Curtis, M.** (2010, April). *Logic and Need: A theoretical approach to measuring acceptance and integration of geospatial technology in geography education*. Paper presented at the annual meeting for the Early Career Scholars in Geographic Education: A Research Symposium. Hosted by the Gilbert M. Grosvenor Center for Geographic Education at the National Geographic Society. Washington, D.C.
- Curtis, M,** Casey M., Earle B., & Rodriguez P. (2009, September). *Journal of Geography Awards Winners Session. Teaching disaster preparedness in geographic education*. Paper presented at the annual meeting for the Nation Council for Geographic Education Conference. San Juan, Puerto Rico.
- Curtis, M.** (2009, September). *Geospatial technology acceptance in American education*. Paper presented at the annual meeting for the Nation Council for Geographic Education Conference. San Juan, Puerto Rico.
- Milson, A. & **Curtis, M.** (2009, July). *Spatial visualization and analysis with GIS in high school geography*. Paper presented at the annual meeting for the ESRI Education User Conference. San Diego, CA.
- Curtis, M.** (2009, March). *Addressing a critical blind spot in American geography education*. Paper presented at the American Association of Geographers Annual Meeting. Las Vegas, NV.



Mohan, A., **Curtis, M.**, and C. Cooper. (2008, October). *The summer cohort Ph.D. program in geographic education*. Informational session presented at the National Council for Geographic Education. Dearborn, MI.

**Curtis, M.** (2008, October). *Taking the pulse of spatial thinking and technology in geo-education: An insider's look*. Paper presented at the annual meeting for the National Council for Geographic Education Conference. Dearborn, MI.

### **REGIONAL AND STATE CONFERENCES**

Waters, C. & **Curtis, M.** (February, 2024). *Listening to Female's Voice: A Reflection of the Perceptions of STEM*. Southwest Educational Research Association (SERA). Arlington, TX.

**Curtis, M.D.** & Waters, C.C. (2023, October). *Hack the Map! Equipping Science Teachers to Develop Personalized instructional Resources*. Southwest Region Association for Science Teacher Education Regional Meeting. Houston, TX.

**Curtis, M.D.** & Waters, C. C. (February, 2023) *Listening to Female's Voice: A Reflection of the Perceptions of STEM*. Southwest Educational Research Association Annual Meeting. San Antonio, TX.

**Curtis, M.** & Waters, C. (2022, February). *GeoInquiries: An online GIS activity bridging STEM and social studies in elementary schools*. Southwest Educational Research Association Annual Meeting, New Orleans, LA.

**Curtis, M. D.** & Waters, C. C. (2021, February). *The 2020 STEMulus is here! Cross-curricular teaching STEM and social studies education*. Paper presented at the Southwest Educational Research Association. Virtual Conference.

**Curtis, M.** & Waters, C. (2019, June). *STEMmulating interest in social studies education*. TxATE Annual Conference, Austin, TX.

**Curtis, M.** (2015, December). *Exploring the world, one continent at a time*. Workshop presented at the The 22<sup>nd</sup> Annual Conference on the Education of Hispanics. Fort Worth, TX.

**Curtis, M.** (2014, October). *Online GIS. How spatial!* Paper presented at the annual meeting for the Texas Council for the Social Studies Conference 2014. Galveston, TX.

**Curtis, M.** (2012, February). *Geospatial technology and geography education*. Workshop presented at the Texas Regional Education Service Center VI Geography Conference 2012. Huntsville, TX

**Curtis, M.** (2011, November). *It's not all about the Benjamins panel: Giving back and leading in the community*. Texas A&M University Women's Leadership Conference. College Station, TX.

**Curtis, M.** (2011, November). *The juggling act panel: Balancing work and home life*. Panelist for the Texas A&M University Women's Leadership Conference. College Station, TX.

**Curtis, M.** (2008, April). *Networking as educators*. Workshop presented at the Teaching and Learning World Geography Teacher Consultant Training Institute. College Station, TX.

**Curtis, M.** (2004, September). *Digitizing your instruction*. Paper presented at the Texas Alliance for Geographic Education (TAGE) All – Texas 18<sup>th</sup> Annual Geography Conference. San Marcos, TX.

**Curtis, M.** (2004, September). *The best of both worlds: Blending history and geography*. Paper presented at the TAGE All – Texas 18<sup>th</sup> Annual Geography Conference. San Marcos, TX.

**Curtis, M.** (2003, September). *Finding the five themes of geography using GIS*. Paper presented at the TAGE All – Texas 17<sup>th</sup> Annual Geography Conference. San Marcos, TX.

### ***SEMINARS, PRESENTATIONS, AND COURSES***

- Curtis, M.,** Bolden-Gastile, T. Brown, A. Jones, L. and Seevers, R. (2023, November) Organized and led a series of presentations at San Jacinto College South Campus to explain the UHCL COE Success Through Education Program (STEP) and to showcase key teacher preparation programs in the UHCL College of Education. Recruiting. (Invited)
- Curtis, M.** (2023, November). Presentation to explain the UHCL COE Success Through Education Programs (STEP) and to highlight COE teacher preparation programs as part of the San Jacinto College North Campus Education Weekly Event. (Invited)
- Watson, S., Ramsby K., Rueda-Acedo A., Breuer K., Cook G. S., & **Curtis M.** (2017, February). *Preserving HERstory in Texas: Mapping women's history*. In the *College of Liberal Arts Digital Art & Humanities Speaker Series*.
- Curtis, M.** (2015, March). *Exploring the impact of pedagogical knowledge on teachers' use of geospatial technologies*. Department of Curriculum and Instruction Brown Bag Seminar. Arlington, TX.
- Curtis, M.** (2015 January). *Social studies education in the United States*. Interactive presentation to the visiting team of students, faculty, and administrators of the Ewha Womans University College of Education from Korea. Arlington, TX.
- Curtis, M.** (2014, February). *Geospatial technology integration and the important role technological pedagogical content knowledge plays*. Department of Curriculum and Instruction Brown Bag Seminar. Arlington, TX.
- Curtis, M.** (2014, January). *Social studies education in the United States*. Interactive presentation to the visiting team of students, faculty, and administrators of the Ewha Womans University College of Education from Korea. Arlington, TX.
- Curtis, M.** (2013). *Building classroom community & rapport*. Panelist. New Teacher Webinar Series. Arlington, TX.

### ***GUEST SPEAKER***

- 2023 San Jacinto College North. Education Weekly Event. Topic: STEP Program and UHCL College of Education teacher programs and opportunities. Houston, TX. (Invited)
- 2023 San Jacinto College South. Speaker and meeting organizer of multiple guest speakers to inform community college student about the Success Through Education Programs (STEP) program and College of Education programs. Topic: STEP Program. Houston, TX. (Invited)
- 2015 Pre-AP World Geography College Board Summer Institute, The University of Texas at Arlington; Topic: Exploring the Story of Geography with Online GIS. Arlington, TX. (Invited)
- 2013 EDUC 4314 Teaching Social Studies in Early and Elementary Education, The University of Texas at Arlington; Topic: Population Connection model lessons. Arlington, TX. (Invited)
- 2013 BEEP 4314 Creative Arts and Social Studies in Dual Language Settings, The University of Texas at Arlington; Topic: Population Connection model lessons. Arlington, TX. (Invited)
- 2010 C & I 4203 Models for Teaching Secondary Social Studies, The University of Texas at San Antonio; Topic: Geospatial Technology in K-12 education. San Antonio, TX. (Invited)

### ***K-12 TEACHER PRESENTATIONS***

- Curtis, M.** and Palmer, A. (2017, February). *Rethinking U.S. history and geography: Story map workshop*. A part of the *Indians at the Center Symposium* hosted by the UTA Center for the Greater Southwestern Studies. (This workshop used information from the symposium to train teachers how to use online ArcGIS and construct Story Maps. Funded, in part, by the Humanities Texas Grant entitled *Border Land: The Struggle for Texas, 1821-1846* that was awarded to Dr. Sam Haynes and Dr. Mary Curtis.) Arlington, TX.
- Curtis, M.** (2017, April). *Introduction to story maps and online ArcGIS Workshop*. Euless Junior High, HEB ISD. Euless, TX.
- Curtis, M.** and Webster, M. (2016, September). *Mapping the landscape: The power of water on people's lives*. Texas Alliance for Geographic Education. In partnership with the UTA Center for Social Science Education. Arlington, TX.
- Curtis, M.** (2015, July). *Exploring the story of geography with online GIS*. Pre-AP World Geography Summer Institute. College Board. (Invited speaker).
- Palmer, A., Palmer R., and **Curtis M.** (2015, June). *ConnectED STEM online mapping workshop*. Grand Prairie ISD. Funded by the grant *Eating the Elephant One Byte at a Time*, ConnectED Grant from Esri. Grand Prairie, TX. (Invited Consultant).
- Curtis, M.** and Hardy, P. (2014, November). Introduction to the Texas Alliance for Geographic Education and the State Board of Education. *Spatial exploration through time & place*, K-12 pre-service social studies workshop provided by the University of Texas at Arlington's Center for Social Science Education and the Texas Alliance for Geographic Education. Arlington, TX.

### **COORDINATED EVENTS**

- 2023 Organized and led a series of presentations at San Jacinto College-South Campus to explain the Success Through Education Program (STEP) and to showcase key teacher preparation programs in the UHCL College of Education. Recruiting Event. (Invited speaker.)
- 2023 Success Through Education Programs (STEP) Kick-off Welcome & Orientation. University Houston-Clear Lake. Hosted and facilitated student meeting.
- 2023 STEP Professional Development meetings. Hosted and facilitated three (3) student meetings: Lunch & Learns, Empowerment Evenings, and Zoom & Learn at UHCL.
- 2023 STEP Student Field Trips. Hosted and facilitated four (4) high school student COE STEP field trips.
- 2021 *Exploring with National Geographic!* National Geographic Educator Certification training. Hosted by the University of Texas at Arlington in partnership with Hurst-Euless-Bedford ISD and National Geographic Society. Bedford, TX.
- 2019 *National Geographic GeoInquiry Teacher Workshop*. Hosted by the University of Texas at Arlington in partnership with Hurst-Euless-Bedford ISD and National Geographic Society. Bedford, TX.
- 2019 *National Geographic Educator Certification Workshop*. Hosted by the University of Texas at Arlington in partnership with Hurst-Euless-Bedford ISD and National Geographic Society. Bedford, TX.
- 2015 *Choices Jumpstart*. Planning Coordinator for the Women Former Student Network Jumpstart mentoring event series. College Station, TX.

- 2014 *Spatial exploration through time & place*. The University of Texas at Arlington's Center for Social Science Education. Invited K-12 social studies education pre-service workshop by the Texas Alliance for Geographic Education. Arlington, TX.
- 2013 *Increasing cultural and linguistic inclusion within EC-16 social studies*. Hosted by Texas State University. San Marcos, TX.
- 2013 *21<sup>st</sup> century geospatial tools for the classroom institute*. CCRI Social Studies Faculty Collaborative. Grapevine, TX.
- 2013 *Engaging, authentic learning experiences using CCRS, backwards design & TBL*. CCRI Social Studies Faculty Collaborative. Grapevine, TX.
- 2013 College and Career Readiness Initiative Culminating Conference. CCRI Faculty Collaboratives. Houston, TX.
- 2013 *Strategies for teaching college courses with team based learning and CCRS*. CCRI Social Studies Faculty Collaborative. Bryan, TX.
- 2013 *The state of geographic literacy in Texas high schools*. Co-hosted by the CCRI Social Studies Faculty Collaborative and the Texas Alliance for Geographic Education. Houston, TX.
- 2013 *The state of geographic literacy in Texas*. Co-hosted by the CCRI Social Studies Faculty Collaborative and the Texas Alliance for Geographic Education. San Marcos, TX.
- 2013 *Backwards design & team based learning writing seminar*. CCRI Social Studies Faculty Collaborative. Waco, TX.
- 2013 Leadership Conference and 50<sup>th</sup> Anniversary of Women at Texas A&M. Hosted by the Women Former Student Network. College Station, TX.
- 2012 *An introduction to team-based learning in the social sciences*. CCRI Social Studies Faculty Collaborative. Grapevine, TX.
- 2012 College Readiness in the Social Studies Classroom Series: World Geography workshop. CCRI Social Studies Faculty Collaborative. El Paso, TX.

## **LEADERSHIP POSITIONS**

- 2021-Present Vice-Chair, American Association of Geographers, Geography Education Specialty Group
- 2017-Present Geography Education Special Interest Group Executive Board for the American Association of Geographers.
- 2017-2018 Coordinator, Middle Level Education Program
- 2017-2021 Secondary and EC-12 Program Leadership Team
- 2016-2019 UTA Women's and Gender Advisory Board, College of Liberal Arts (COLA)
- 2013-2021 Social Studies and History Teacher Preparation Program Lead and Advisor
- 2013-2018 Coordinator, Secondary and EC-12 Programs, Co-coordinator (2019, 2020)
- 2013-2019 Texas Alliance for Geographic Education Steering Committee
- 2010-2018 Board of Directors Texas A&M University Women's Former Student Network
- 2012-2017 Director, Center for Social Studies Education
- 2013-2015 Executive Planning Board, National Council for Geographic Education
- 2010-2014 Secretary, Texas A&M University Women's Former Student Network Board of Directors

2007-2008 Steering Committee Member for the Teaching and Learning World Geography (TALWG); Chair: Dr. Sarah Bednarz, Texas A&M University

## **PROFESSIONAL SERVICE**

### ***INTERNATIONAL SERVICE***

2024-2025 AAG Education Symposium: Working Group 2 Conference Planning Committee, American Association of Geographers Annual Meeting

2024 Associate Editor, Journal of Geography

2024 Gail Hobbs Research in Geography Education Award Committee for the Geography Education Specialty Group. American Association of Geographers

2017-Present Geography Education Specialty Group Board member, Vice-Chair (2021-2024), American Association of Geographers

2023 Book Review Editor, Journal of Geography

2018 International Geographical Union, invited Regional Conference Planning Team and Assistant Volunteer Coordinator

### ***NATIONAL SERVICE***

2024 JASON Learning Houston Expedition Argonaut Mentor

2024 A Data Visualization Experience for Pre-Service Teachers (ADVizE), NSF funded project participant

2018 National Council for Geographic Education, Conference Registration Volunteer

2017 National Council for Geographic Education, invited Assistant Conference and Volunteer Manager

2012-2015 National Council for Geographic Education, Executive Planning Board. External Relations Committee

### ***STATE AND REGIONAL SERVICE***

2023, 2024 Southwest Educational Research Association (SERA) Conference volunteer.

2023-Present Co-Coordinator, 2023 Texas ArcGIS Online Map Contest for Students sponsored by Esri.

2002-Present Teacher Consultant for the Texas Alliance for Geography Education

2023 Conference Volunteer, Southwest Educational Research Association Conference

2013-2019 Steering Committee. Texas Alliance for Geographic Education

2019 Powerful Geography Framework and Practical Applications to K-12 Education, Gilbert M. Grosvenor Center for Geographic Education and the National Center for Research in Geography Education.

2018 Building A Powerful Geography Framework, Gilbert M. Grosvenor Center for Geographic Education and the National Center for Research in Geography Education.

2018 Social Studies TEKS Review Committee. Texas Alliance for Geographic Education in partnership with the Texas Council for the Social Studies

- 2011-2018 Women Former Student Network, Texas A&M University, Board of Directors and service on the Mentor, Eminent Scholar Award, Leadership Conference, Student Volunteer committees
- 2011-2013 Strategic Planning Committee. Texas Alliance for Geographic Education
- 2012-2013 Transition Planning Committee. Texas Alliance for Geographic Education
- 2011 Program Evaluator, Texas Higher Education Coordinating Board Science Faculty Collaborative workshop
- 2008 Teaching and Learning World Geography (TALWG) Teacher Consultant Trainer, Texas A&M University and the Texas Alliance for Geographic Education

***UNIVERSITY SERVICE***

- 2023-2024 UHCL, Success Through Education Programs (STEP) Faculty Liaison
- 2020-2021 UTA Center for Research on Teaching and Learning Excellence (CRTLE) Professional Learning Community Faculty Fellow
- 2019-2020 UTA Innovation, Diversity, Excellence, Access, Success (IDEAS) Center Faculty Fellow, sponsored by UTA Center for Research on Teaching and Learning Excellence (CRTLE)
- 2016-2019 UTA Women’s and Gender Advisory Board, College of Liberal Arts (COLA)
- 2017-2018 UTA NEH Humanities Connections Advisory Panel, COLA, National Endowments for the Humanities Grant (Unfunded) *Spatial Humanities in the Public Square*, Principal Investigators: Andrew Milson and Charles Travis.

**College and Department Service**

- 2023-2024 Curriculum and Instruction Committee
- 2023-2024 TCED Committee
- 2023-2024 Manage and mentor adjunct faculty for social studies teacher preparation courses
- 2023-2024 Director, UCHL Social Studies Teacher Preparation program
- 2013-2021 Social Studies and History Teacher Preparation Program Coordinator, UTA
- 2013-2021 Graduate Advisor, Social Studies and History M.Ed., M.Ed. with Teacher Certificate, and Certification Only Programs, UTA
- 2017-2021 TEA Clinical Teacher Supervisor T-TESS Trainer
- 2017-2021 Onboard adjunct faculty for program courses and help prepare courses as needed
- 2017- 2021 Program Course Scheduler
- 2017-2020 Secondary and EC-12 Leadership Team, Program Coordinator Mentor
- 2013-2018 Coordinators Committee, Department of Curriculum and Instruction
- 2016-2018 Program Coordinator Council
- 2016-2018 Graduate Studies Committee
- 2017-2018 Middle Level Program Working Committee, Chair
- 2017-2018 Coordinator, Middle Level Education Program
- 2013-2018 Coordinator, Secondary and EC-12 Programs

- 2018 Graduate Advisor, EC-12 Music, Art, and Physical Education Teacher Education (PETE) M.Ed., M.Ed. with teacher certificate, and certification only programs
- 2017-2018 Graduate Advisor, Middle Level (grades 4-8) M.Ed., M.Ed. with teacher certificate, and certification only programs
- 2017-2018 Curriculum & Instruction Special Education Faculty Search Committee
- 2016-2018 AVID Site Team Committee
- 2016-2017 Curriculum & Instruction Chair Search Committee
- 2016- 2017 Grade Grievance Committee
- 2016 Committee to Assess the P&T Committee
- 2016 Certification Only Ceremony Committee
- 2015-2016 National Network for Educational Renewal (NNER) Conference Planning Committee
- 2014-2016 Teacher Education Council, College of Education and Health Professions
- 2014-2016 Assessment Team, College of Education and Health Professions
- 2012-2015 Dean's Advisory Council, College of Education and Health Professions
- 2013 Strategic Planning Committee, College of Education and Health Professions
- 2013 Facilitator and Assistant, Inaugural New Teacher Induction Webinar Series: Semester I. Department of Curriculum and Instruction

***SCHOOL AND COMMUNITY SERVICE***

- 2023 Girls in Aviation Day volunteer, Lonestar Flight Museum
- 2023 Volunteer to support elderly in community (e.g., stuffed stockings, collected donations, and designed flyer advertising event). Rodan & Fields sponsored drive to provide items to meet needs of the elderly in a Houston-area nursing home.
- 2023 Domestic Violence Awareness Month volunteer. Collected donations, encouraged participation/support event, and created flyer advertising event to collect donations supporting women and children in a Houston-area shelter. Rodan and Fields sponsored event.
- 2019 National Geographic Society Geo-Inquiry workshop
- 2019 National Geographic Society Educator Certification workshop
- 2019, 2018 National Geographic Society, State Geography Challenge, Judge
- 2019, 2018 Hurst-Euleless-Bedford ISD District Geography Bee, Judge
- 2000-Present Teacher Consultant, Texas Alliance for Geographic Education
- 2018 National Geographic Society State Geography Bee, Judge
- 2016, 2013 National Geographic Society State Geography Bee, Moderator
- 2007, 2008, 2013 Teacher Consultant, Population Connection

***EDITORIAL SERVICE***

- 2024 Associate Editor, Journal of Geography
- 2023 Book Review Editor, Journal of Geography
- 2021-Present *International Journal of Science Education*, invited journal reviewer

- 2017-Present     The *Journal of Geography*, invited journal reviewer for the National Council for Geographic Education
- 2023             National Council for the Social Studies journals, invited
- 2022             *Middle Level Learning*, invited journal reviewer for the National Council for the Social Studies
- 2018             *International Journal of Geospatial and Environmental Research*, invited journal reviewer for special issue on Geospatial Teaching and Learning
- 2017-2021       The *Review of International Geographical Education Online (RIGEO)*, invited journal reviewer
- 2016-2021       *The Geography Teacher*, invited journal reviewer for the National Council for Geographic Education
- 2008-2009       Reviewer for the revised National K-12 Geography Standards through the American Association of Geographers (invited), 9<sup>th</sup> Grade World Geography Committee.

### ***PROFESSIONAL DEVELOPMENT***

- 2024             A Data Visualization Experience for Pre-Service Teachers (ADVizE), NSF funded training for preservice science faculty to enhance data literacy and capability in preservice courses.
- 2023-2024       New Faculty Community of Practice
- 2023-2024       Show Me the Money! (Grants) Community of Practice
- 2023             UHCL Faculty Development October Writing Challenge
- 2023             National Science Foundation and Department of Education Webinar, “Why Convergence Education? Preparing for the Future of STEM”
- 2023             Esri T3G Webinar “School Competition Results”
- 2023             Esri T3G Webinar “ArcGIS Online Org Health”

### ***CONFERENCE SESSION CHAIR***

- 2024             Session Chair and Primary Organizer of “An Examination of Changes in, and Impacts of Primary Education to University Education” 2024 American Association of Geographers Annual Meeting.
- 2023             Session Chair of “Diversity in Geography and Higher Education” at the 2023 American Association of Geographers Annual Meeting.
- 2023             Session Chair of “Geography Education Specialty Group Business Meeting” at the 2023 American Association of Geographers Annual Meeting.
- 2023             Session Chair of “Mapping and Geography Education” at the 2023 American Association of Geographers Annual Meeting.
- 2022             Organizer and Session Chair of “Place-Making in Geography Education” at the 2022 American Association of Geographers Annual Meeting.
- 2022             Organizer and Session Chair of “Applications in Geography Education” at the 2022 American Association of Geographers Annual Meeting.



- 2019 Session Chair of “Geography Teacher Training and Proficiency in Geography Education” at the 2019 American Association of Geographers Annual Meeting.
- 2019 Session Chair of “Teaching Geography: Reports from Around the World” at the 2019 American Association of Geographers Annual Meeting.
- 2018 Session Chair of “Issues of Geography Education Around the World” (international session) at the 2018 American Association of Geographers Annual Meeting.
- 2018 Session Chair of “Struggles in Higher Education: Enrollment and College Living” at the 2018 American Association of Geographers Annual Meeting.

***PROFESSIONAL AFFILIATIONS***

AAG	American Assoc. of Geographers	NCSS	National Council for the Social Studies
AAUW	Assoc. of American University Women	NCGE	National Council for Geographic Educ.
AERA	American Educational Research Assoc.	NSTA	National Science Teacher Association
ASTE	Association for Science Teacher Education	NTXIT	N. TX Instructional Technology Specialists
CUFA	College and University Faculty Assembly	SERA	Southwest Educational Research Assoc.
MSSSA	Metroplex Soc. Studies Supervisors Assoc.	TAGE	TX Alliance for Geography Education
NARST	National Association for Research in Science Teaching	TxCSS	TX Council for the Social Studies
		TxA TE	TX Association of Teacher Educators