Francheska Figueroa, PhD

Assistant Research Professional
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Education
Grand Canyon University
> PhD in General Psychology, Program Emphasis in Cognition and Instruction. June 2020.
> - *Dissertation Title*: Unintentional Teacher Bias Toward Spanish-Speaking English Learners – A Qualitative Descriptive Study
> - *Dissertation Chair*: Dr. Cheryl Brown

Northern Arizona University
> Master of Education Bilingual Multicultural Education with an Emphasis on English as a Second Language (ESL) Education. December 2004.
> - *Thesis Project*: Action Research Project in a Middle School ESL Classroom
> - *Advisor*: Catherine Mayorga

Arizona State University (Cum laude)
> BA in Spanish. December 2000

Professional Positions

Mary Lou Fulton College for Teaching and Learning Innovation, Arizona State University
Assistant Research Professional: 2022 – Present

TACTICS Research Project, 2024 – Present: Responsible for conducting research activities for 4th-5th grade computer science (students with special needs); collaborating on design and implementation of teacher PD and teacher support; supporting classroom implementations in the Phoenix area; mentoring graduate student research assistants; and promoting excellence, equity, and diversity. The mentoring plan encompasses the core competencies of postdoctoral researchers outline by the National Postdoctoral Association.

Postdoctoral Research Scholar: 2022 - 2024

ACT Research Project, 2022 – 2024: Responsible for co-leading the Arizona-based hybrid inquiry group and summer workshops across participating school districts. Co-lead in the PD Design team and collaborative weekly team meetings under the mentorship of the UMD, PI, Diane Jass Ketelhut and ASU PI, Brian Nelson. Meet weekly with graduate research assistants to mentor and guide progress through research activities. The mentoring plan encompasses the core competencies of postdoctoral researchers outline by the National Postdoctoral Association.

Education Consultant: Savvas (formerly Pearson), 2010 – Present

Focus on accelerating instructional improvement by using the Sheltered Instruction Observation Protocol® tool to initiate district decisions. Consulting with district personnel and school faculty, the Educational Consultant presents the SIOP® Model (research and methodology) and all associated offerings, including engaging, interactive activities to meet identified participant needs, using research-based leadership and instructional strategies.

English Learner Curriculum Writer: Private Company, 2020 – 2021

Equity curriculum writer for the third-largest school district in the United States. Writing EL scaffolds for a highly complex, exciting high school ELA curriculum, both digital and print. Develop grade 11 ELA curriculum, including core lessons and support mini lessons in a highly collaborative and rapid development process, which includes regular engagement with team members, peer review, client feedback, and other formative feedback.

ELA Facilitator: The Leona Group of Arizona South Pointe High School, 2007 – 2008

Direct compliance, placement and assessment of English learners, coordinate parent involvement, model best practices for teaching our EL population. Provide feedback to ELA coordinator, administration, and teachers from Director of English Language Acquisition Services. Align curriculum with Arizona academic state standards and implement professional development workshops aligned to the standards

ELD Instructor: The Leona Group of Arizona South Pointe High School, 2004 – 2008

ELD Instructor - Plan and instruct English language development using a variety of teaching aids, motivational and implementation strategies to engage forty students in active learning. Design curriculum and lesson plans for different levels of English language learners emphasizing cultural diversity through personal experience, novels, and a variety of genres.

Research

Figueroa, F., McCaleb, L., Mak, J. & Coughlin, A. (2026). Institutional Boundaries Limiting AI Innovation Beyond the Walled Garden. In *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 1468-1472). Philadelphia, PA: Association for the Advancement of Computing in Education (AACE). Retrieved April 24, 2026, from https://www.learntechlib.org/primary/p/2129164/.

McCaleb, L., Williams, J., **Figueroa, F.,** Israel, M., Mak, J., Babendure, J., Barrett, J. & Hall, J. (2026). Co-Designing Collaborative PD to Advance Meaningful CS Engagement for Students with Disabilities. In *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 1996-2001). Philadelphia, PA: Association for the Advancement of Computing in Education (AACE). Retrieved April 24, 2026, from https://www.learntechlib.org/primary/p/2129241/.

Bernier, J., Kramarczuk, K., Terrell Shockley, E., **Figueroa, F.,** Yan, L., Xin, Y., Mak, J., Su, M., Ketelhut, D. J., & Nelson, B. (2025). Exploring culturally responsive teaching practices in computational thinking + science lesson planning. *Discover Education*, *4*(1), Article 465. https://doi.org/10.1007/s44217-025-00897-6

Figueroa, F., Coen, A., Ketelhut, D., Nelson, B., Kramarzcuk, K., Mak, J., Yan, L., Xin, Y., & Terrell Shockley, E. (2025). Teacher Self-Efficacy Implementing CT-Infused Elementary Science Lessons. [Roundtable]. *AERA 2025 Annual Conference.*

Figueroa, F., Coen, A., Ketelhut, D., Nelson, B., & Terrell Shockley, E. (2025). Missing the Forest for the Trees: Technology Focus Hinders Teachers' Computational Thinking Implementation. [Poster Presentation]. *AERA 2025 Annual Conference.*

Figueroa, F., Yan, L., Terrell Shockley, E., Mak, J., Bernier, J., Kramarczuk, K., Su, M., Nelson, B., & Ketelhut, D. (2024, July). Using Computational Thinking as a Multimodal Tool for Multilingual Learners. *Annual SIOP National Conference*. (Online Format).

Yan, L., Xin, Y., **Figueroa, F.**, Bernier, J., Terrell Shockley, E., Nelson, B., & Ketelhut, D. J. (2024, February). Practical Strategies for Culturally Responsive Teaching in Computational Thinking Integrated Elementary Science Lessons. [Poster Presentation]. *10th Annual Teachers College Doctoral Council: Education Research Conference.* Tempe, AZ.

Figueroa, F., Terrell Schockey, E., Nelson, B., Yan, L., Xin, Y., Bernier, J. Mak, J., Kramarczuk, K., Su, M., & Ketelhut, D. (2024, February). Computational Thinking (CT) for Multilingual Learners Using Multiple Meaning-Making Resources. *Second Language Acquisition and Teaching Student Association Roundtable.* Tucson, AZ.

Bernier, J., Kramarczuk, K., Terrell Shockley, E., **Figueroa, F**., Yan, L., Xin, Y., Mak, J., Su, M., Ketelhut, D., & Nelson, B. CT+CRT+Science: Pathways to Integration in Elementary Teachers' Lesson Plans. NARST Conference, 2024.

Kramarczuk, K., Bernier, J., **Figueroa, F**., Yan, L., Terrell Shockley, E., Cohen, A., Su, M., Xin, Y., Nelson, B., & Ketelhut, D. Elementary Teachers' Positional Identities and Dispositions Towards Culturally Responsive Computational Thinking-Integrated Science. AERA Conference, 2024.

Xin, Y., Su, M., Mak, J., Coen, A., **Figueroa, F.**, Kramarczuk, K., Ketelhut, D., Lin, Y. (2024, April 11-14). *Two Trajectories: Elementary Teachers' Evolving Understandings of Culturally Responsive and Computational Thinking Infused Science Teaching*. AERA 2024 Annual Conference. Philadelphia, PA, United States.

Figueroa, F., Terrell Shockley, E., & Yan, L. (2023, June) *Supporting English Learners and Multilingual Learners in Science*. [PowerPoint Slide Presentation]. The SIOP National Conference, 2023.

Terrell Shockley, E., **Figueroa, F**., Su, M., & Yan, L., K. Kramarczuk, Xin, Y., Cabrera, L. Mak, J., Bernier, J., Ha, J., Nelson, B. & Ketelhut, D. J. (2023, March) Making Computational Thinking Accessible to Multilingual Learners in Elementary Science. [Poster presentation]. *TESOL* 2023 International Convention & English Language Expo, Portland, OR.

Figueroa, F., Terrell Shockley, E., Yan, L., Ketelhut, D. J., & Nelson, B. (2023, Feb) Accessible Computational Thinking Using Culturally and Linguistically Diverse Contexts. The 52nd Annual Conference of the *National Association for Bilingual Education*. (Online Format).

Figueroa, F., Mak, J., Kramarczuk, K., Xin, Y., Terrell-Shockley, E., Ketelhut, D. J., Nelson, B. (2022, May). *CT For Every Student? Implications For An Equity-Focused PD Experience For Elementary Science Teachers*, in 2022 Conference on Research in Equitable and Sustained Participation in Engineering, Computing, and Technology (RESPECT), Philadelphia, PA, USA, 2022. [Poster presentation].

Mak, J., **Figueroa, F.,** Kramarczuk, K., Xin, Y., Terrell-Shockley, E., Ketelhut, D. J., Nelson, B. (2022, May). *Case Study: A Participatory Approach to Building a Consensus-Model of* on Research in Equitable and Sustained Participation in Engineering, Computing, and Technology (RESPECT), Philadelphia, PA, USA, 2022. [Poster presentation].

Bernier, J., Cabrera, L., **Figueroa, F**., Ha, J., Kramarczuk, K., Mak, J., Su, M., Xin, Y., Yan, L., Ketelhut, D. J., Nelson, B., Terrell-Shockley, E. *Accessible Computational Thinking in Elementary Science*. In Chinn, C., Tan, E., Chan, C., & Kali, Y. (Eds.). (2022). Proceedings of the 16th International Conference of the Learning Sciences - ICLS 2022. Hiroshima, Japan: International Society of the Learning Sciences.

Kramarczuk, K., Cabrera, L., Jass Ketelhut, D., Terrell-Shockley, E., Xin, Y., Mak, J., Nelson, B., Bernier, J., Ha, J., Su, M., Yan, L., & **Figueroa, F**. (2022, January). *A Professional Development Model for Integrating Computational Thinking and Culturally Responsive Teaching Practices into Elementary Science Practice*. [Poster presentation]. ASTE Annual Conference 2022, Greenville, SC.

Bernier, J., Cabrera, L., Coon, A., **Figueroa, F**., Ha, J., Ketelhut, D. J., Kramarczuk, K., Mak, J., Nelson, B., Terrell-Shockley, E., Su, M., Xin, Y., Yan, L. (2022, July). *Accessible Computational Thinking (CT) in the Elementary Science Classroom Using a Culturally and Linguistically Responsive Context*. [PowerPoint Slide Presentation]. The SIOP National Conference 2022.

Figueroa, F. (2020). *Unintentional Teacher Bias Toward Spanish-Speaking English Learners: A Qualitative Descriptive Study*. ProQuest Dissertations Publishing for Multilingual Learners. *Annual SIOP National Conference*. (Online Format, *Computational Thinking Infused, Culturally Responsive Science Instruction*, in 2022 Conference.

RESEARCH TEAMS

USAID Primary Education in Crisis proposal in process due July 1, 2024 $35mil total award (PIs: David Carlson & Endris Abera; co-PIs: Bryan Henderson, Kwan-Lamar Blount-Hill, Rebecca Blais, **Francheska Figueroa**, Molly Ott, Dawit Amogne, Habtamu Mohammed, Sisay Awoke, Mesele Ayalew)

ADVISORY BOARDS

1. (2024, April) Multilingual Learner Advisory Board for Multiple Models Project for University of North Carolina at Chapel Hill.

BOOK & PD REVIEWS

2. (2015, September) Reviewer for SIOP® Making Content Comprehensible for Elementary English Learners 2nd Ed., SIOP® Participant Workbook 2nd Ed., Pearson.

3. (2014, July). Reviewer for SIOP® Response to Intervention (RTI) for English Learners, Facilitator Handbook, Participant Workbook, and PowerPoint, Pearson.

1. Figueroa, F.K. (2021, July). SIOP® in the Google classroom. Virtual SIOP National Conference.

2. Figueroa, F.K. (2021, July). The scaffold of translanguaging. Virtual SIOP National Conference.

3. Figueroa, F.K. (2021, July). Unintentional Teacher Bias Toward Spanish-Speaking English Learners. Virtual SIOP National Conference.

4. Figueroa, F.K. (2020, July). Unintentional Teacher Bias Toward Spanish-Speaking English Learners. National Association of Bilingual Education (NABE), *Online format*.

PROFESSIONAL DEVELOPMENT AND WORKSHOPS

EQUITY PRESENTATIONS

1. (2020, April). Rodriguez, G. & Figueroa, F.K. An Eye on Equity in the CPS Curriculum. PCG & Associates. *Online format*.

2. (2015, April). Gaining Access to the English Language Proficiency Standards. Pearson. Phoenix, AZ.

3. (2014, April). Supporting English Learners with Writing, Pearson. Bronx, NY.

4. (2014, February). iLit, Inspire Literacy, A Literacy Intervention Solution for Today's Students. Pearson. Miami-Dade, FL.

5. (2013, December). Enhancing Content-Area Teaching Skills for English Learners. Pearson. Phoenix, AZ.

SHELTERED INSTRUCTION OBSERVATION PROTOCOL (SIOP®) *for*
Echevarría, J., Vogt, M.E., & Short, D. (2017). Making content comprehensible for English learners: The SIOP® model (5th ed.) Boston, MA: Pearson.

1. (2021, June). SIOP® Training for Teachers Capacity Builder. Savvas. Pascagoula-Gautier, MS.

2. (2019, August). SIOP® for Pre-K Teachers. Pearson. Lake Washington, WA.

4. (2018, December). Using the SIOP® Model with Newly Arrived Students. Pearson. Mountain View-Whisman, CA.

5. (2018, November). SIOP® Training for Teachers and SIOP® Coaching, Observation, and Modeling. Pearson. Tamuning, Guam.

6. (2018, October). Introduction to the SIOP® Model – A Three-Hour Session. Pearson. Perth-Amboy, NJ.

7. (2017, July). SIOP® I Institute with Dr. MaryEllen Vogt. Pearson. Alexandria, VA.

8. (2017, May). SIOP® I Institute with Dr. MaryEllen Vogt. Pearson. Austin, TX.

9. (2016, December). SIOP® I Institute with Dr. Deborah Short. Pearson. San Diego, CA.

10. (2015, September). SIOP® I Institute with Dr. MaryEllen Vogt. Pearson. San Antonio, TX.

11. (2015, September). SIOP® I Institute with Dr. MaryEllen Vogt. Pearson. Chicago, IL.

12. (2015, September). SIOP® Inter-Rater Reliability Training, Pearson. Montgomery County, Baltimore, MD.

13. (2015, September). SIOP® Coaching and Implementation, Pearson. Boston, MA.

14. (2014, June). SIOP® Training for Administrators, Pearson. Lake Washington, WA.

15. (2013, July). SIOP® and Assessment for Learning with English Learners. Pearson. Manhattan, NY.

16. (2013, May). SIOP® Two-Way Immersion (and All Language Programs). Pearson. Staten Island, NY.

17. (2013, March). SIOP® Differentiating Instruction for English Language Proficiency Levels. Pearson. Brooklyn, NY.

18. (2013, February). Developing Academic Language with the SIOP® Model. Pearson. Bronx, NY.

19. (2012, November). SIOP® Coaching and Modeling. Pearson. Boston, MA.

20. (2012, November) SIOP® Training for Elementary Teachers. Pearson. Honolulu, HI.

21. (2012, October). SIOP® Coaching and Observation. Pearson. Providence, RI.

22. (2012, July). SIOP® Consultative Services – Lesson Planning, Lesson Study, PLCs, Curriculum Mapping. Pearson. Bronx, NY.

23. (2011, August). SIOP® Component Enrichment, Review & Assessment. Pearson. Lake Washington, WA.

24. (2011, July). SIOP® Component Enrichment, Lesson Delivery. Pearson. Santa Monica, CA.

25. (2011, June). SIOP® Component Enrichment, Practice & Application. Pearson. Westminster, CA.

26. (2011, May). SIOP® Component Enrichment, Interaction. Pearson. Prince Georges County, Baltimore, MD.

27. (2011, April). SIOP® Component Enrichment, Strategies. Pearson. Whitfield County, GA.

28. (2011, March). SIOP® Component Enrichment, Comprehensible Input. Pearson. Whitfield County, GA.

29. (2011, February). SIOP® Component Enrichment, Building Background. Pearson. Oklahoma City, OK.

30. (2011, January). SIOP® Component Enrichment, Lesson Preparation. Pearson. Manatee County, FL.

31. (2011, January). SIOP® Training for Secondary Teachers. Pearson. Las Cruces, NM.

COMMON CORE STATE STANDARDS AND LITERACY

1. (2013, October). Using Performance Tasks Effectively in the 6–12 Literacy Classroom. Pearson. Philadelphia, PA.

2. (2013, October). Writing to Sources: Grades 6–8, Pearson. Philadelphia, PA.

3. (2013, October). Habits of Close Reading: Grades K–6. Pearson. Columbus, OH.

4. (2013, June). Changing Practices That Lead to College and Career Readiness. Pearson. Lyles, TN.

5. (2013, May). Using a Response to Intervention Framework for College and Career Readiness in Literacy. Pearson. Brooklyn, NY.

6. (2013, April). Prentice Hall Literature Lesson Study. Pearson. Kenai, AK.

7. (2013, February). College and Career Readiness: Writing for Secondary Students. Pearson. Philadelphia, PA.

8. (2012, August). English Language Arts Standards for Science and Technical Subjects. Pearson. Milan, TN.

9. (2012, August). Understanding by Design. Pearson. Columbus, OH.

10. (2012, August). English Language Arts Standards for History and Social Studies. Columbus, OH.

11. (2012, June). Common Core State Standards for English Language Arts. Pearson. Staten Island, NY.

12. (2012, June). Foundational Overview of the Common Core State Standards for English Language Arts. Pearson. Philadelphia, PA.

13. (2012, June). Speaking and Listening Standards and Language Standards. Pearson. Philadelphia, PA.

14. (2012, April). Performance-Based Assessment for English Language Arts. Pearson. Manhattan, NY.

15. (2012, February). Building Comprehension through Visualizing, Inferring, & Metacognition. Pearson. Columbus, OH.

16. (2011, November). CCSS ELA Digging into the Writing Standards. Pearson. Staten Island, NY.

17. (2011, November). CCSS ELA Digging into the Reading Standards. Pearson. Staten Island, NY.

18. (2011, September). Literacy Across the Curriculum Grades 7-12. Pearson. Staten Island, NY.

19. (2011, April). Effectively Evaluating Teachers to Advance Student Performance. Pearson. Glenview, IL.

COGNITIVE COACHING SEMINARS

1. (2013, March). Cognitive Coaching Seminars Foundation Training. Pearson. Glenview, IL.

2. (2013, May). Certified Cognitive Coaching – Internal Training. Pearson. Glenview, IL.

DISTRICT PRESENTATIONS

1. (2008, July). Learning Experiences: SEI Strategies, Vocabulary Development in the Content Area, SEI Summer School, South Pointe High School. Phoenix, AZ.

2. (2008, July). Learning Experiences: SEI Strategies, Grouping Structures and Techniques, SEI Summer School, South Pointe High School. Phoenix, AZ.

3. (2008, July). Learning Experiences: SEI Strategies, Graphic Organizers and ELs, SEI Summer School, South Pointe High School. Phoenix, AZ.

4. (2008, July). Learning Experiences: SEI Strategies, Incorporate Materials/Research in ELD, SEI Summer School, South Pointe High School. Phoenix, AZ.

5. (2007, September). English Language Acquisition Services Introduction, Staff Development, Arizona Revised Statutes (A.R.S.) 15-756.01. South Pointe High School. Phoenix, AZ.

6. (2006, December). SEI Training, Professional Development, Sun Valley High School. Phoenix, AZ.

7. (2005, November). Learning Experiences: SEI Strategies SEI Foundations, Professional Development, Maya Public Charter High School. Phoenix, AZ.

8. (2005, August). ELL Strategies/Kagan Cooperative Learning, South Pointe High School. Phoenix, AZ.

PROFESSIONAL ORGANIZATION MEMBERSHIPS

- 2024 – present: AZTESOL
  - Past President
    - Fundraising Committee Lead
- 2022 – 2024: AZTESOL
  - President
    - 2023: Conference Planning Committee Lead
    - 2023-24: Fundraising Committee Lead
- 2021 – present: AZTESOL
  - Vice-President
- 2019 – NABE
- 2018 – present: TESOL
- 2017 – present: PSI CHI

SELECTED HONORS AND AWARDS

- 2008: Arizona Public Service and Friendly House Educator of the Year
- 2024: LISTO – Leaders in Support of Transformational Opportunities
    - Leadership development program that works with Latino and values-based leaders who are serving on local and state education governing board positions or are current or aspiring members of cabinet and leadership positions at a school or school system.