Lisa Teresa Archuleta

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Education

Ph.D. in Science Education - *Stanford University, Stanford, CA* *2023-Current*
–Specialization: Curriculum and Teacher Education (CTE) in Science, Engineering, and Technology and Race, Inequality, and Language in Education (RILE)
–CTE Student Representative

M.A. in Teaching - *Santa Clara University, Santa Clara, CA* *June 2023*
–Single Subject Biology and Mathematics
–Bilingual Authorization
–*Summa Cum Laude*

B.S. in Biology - *University of Dallas, Irving, TX* *May 2017*
–Dissertation with Honors Distinction | Dr. Irene Alexander
–Minor in Theology

Fellowships/Scholarships
–Harvard Graduate Student Fellow, Fall 2025
–Stanford Graduate Fellowship (SGF) in Science and Engineering Fellowship, 2024-2026
–Enhancing Diversity in Graduate Education (EDGE) Fellowship, 2023-2028
–Excellence in Catholic Education and Leadership (ExCEL) Fellowship, 2021-2023
–Provost Scholarship, 2017-2021
–Rome Study Abroad Scholarship, 2019

Publications

Beltramo, John, L**.; Archuleta, Lisa.** Paschal Space of Healing and Community: An Affinity Group for Catholic School Teachers of Color. *Journal of Catholic Education*, 2024.

Felix, Antonio, Beltramo, John L., **Archuleta, Lisa**., et al. “Toward More Fully Supporting Latinx Catholic School Teachers: A Case for Critical Transformation of the UCCE Model of Teacher Formation.” *Journal of Catholic Education*, 2022.

Sobomehin, K; Brown, B.; Sobomehin, T.; & **Archuleta, L.** (Accepted) Contemporary Colonization: How Gentrification of Urban Communities Impacts Science Education in the New "Urban" Schools. *Review of Educational Research*, 2025.

Archuleta, Lisa; Beltramo, J.; Ortiz, M.; Rodrigues, M.; Salapare, D. (in review)
Fiercely Loving Our Students: Teachers of Color Expanding Asset Orientations through Participation in
Freirian Culture Circles. *Teachers College Record,* 2024.

Brown, B.; **Archuleta, L.**; Diffenbaugh, P.; & Cannon-Force, B. (in review). Leftovers From COVID-19: Exploring how new teachers use digital learning tools to promote effective science conversations. Journal of Research in Science Teaching.

Brown, B.; Sobomehin, K.; **Archuleta, L.**; & Sobomehin, T. (in review) Educational Technology for Social Justice: Using Virtual Reality as An Assessment Tool to Connect Science and Community. *Journal of Research in Science Teaching*.

Brown, B.; Sobomehin, K.; Sobomehin, T.; & **Archuleta, L.** (in review) Virtual Field Trips: Where teacher pedagogical content knowledge meets transfer. *International Journal of Science Education*.

Research Experience

Doctoral Researcher, Education *September 2023-Present*
Stanford University, Stanford, CA
Research Advisor: Dr. Bryan Brown

- Analyzed data using statistical software, such as STATA, and qualitative analysis tools, such as Dedoose, to derive meaningful insights.
- Co-designed frameworks, research methodologies, and experimental designs for projects.

Graduate Researcher, Education *June 2021-June 2023*
Santa Clara University, Santa Clara, CA
Research Advisors: Dr. John Beltramo and Dr. Won Jung Kim

- Co-created an Environmental Science Justice Curriculum that was implemented in a middle school science classroom.
- Actively participated in all phases of the research projects, including data collection, coding, analysis, and writing of the paper.

- Conducted qualitative analysis using Excel and provided critical feedback and suggestions for improving the research methodology and analysis.

Undergraduate Researcher, Microbiology *June 2020–May 2021*
University of Dallas, Irving, TX
Research Advisor: Dr. William Cody

- Performed and analyzed experiments on the efficacy of hydrocarbon degradation of Pseudomonas *aeruginosa* such as PCR's, Gel Electrophoresis, Strain Isolation and Plating.
- Created and organized a laboratory protocol document for each experiment conducted and maintained several spreadsheets containing critical research data.

Professional Presentations

Archuleta, Lisa. "A Borderless Science Classroom: How "Monolingual" Teachers Can Support Translanguaging in Science Classrooms." NACCS, 2025.

Archuleta, Lisa, Beltramo, John, L. "Supporting the Development of Asset Orientations through Participation in Freirian Culture Circles" *AERA, 2025.*

Brown, B. A., Archuleta, L., Diffenbaugh, P., & Cannon-Force, B. Leftovers from COVID-19: Pre-service teachers leveraging digital tools to enhance science discourse. *NARST, 2025.*

Beltramo, John, L.; **Archuleta, Lisa**. "Supporting Catholic School Teachers of Color through Participation in Freirian Culture Circles" *AERA, 2024.*

Archuleta, Lisa; Kim, W. "Environmental Justice in Science Classrooms: Teacher Educators and Teachers as Learners" *NCORE 2024*.

Brown, B.; Sobomehin, K.; Sobomehin, T.;& **Archuleta, L.** "Social Justice as Paradigm and Pedagogy" *NARST, 2024.*

Archuleta, Lisa; Kim, W. "Environmental Justice in Science Classrooms: Teacher Educators and Teachers as Learners." *SWAYWO 2024.*

Kim, W., **Archuleta, Lisa.** "Co-creating the Discourse of Environmental Consciousness Toward Justice in Science Classrooms: A Reflective Case Study of a Teacher Educator and a Teacher as Learners" *NARST*, 2023.

Hwang, J.S., Soto, C., Lima, I., Romas, A., Garcia, I. **Archuleta, L**. Bennett, B., Miller, K., and Cody, W.L. Characterization of Genes Essential for Hydrocarbon Degradation in *Pseudomonas aeruginosa*. *American Society for Microbiology Texas Branch*, 2023.

Teaching Experience

Adjunct Faculty, Curriculum and Instruction, Science Methods *January 2024-March 2024*

Stanford University, Stanford, CA

- Developed course materials, including syllabi, lectures, assignments, and assessments.
- Collaborated with other faculty members to align course content and assessment strategies with departmental goals.

Adjunct Faculty, English Language Development *January 2024-Present*

Santa Clara University, Santa Clara, CA

- Developed course materials, including syllabi, lectures, assignments, and assessments.
- Collaborated with other faculty members to align course content and assessment strategies with departmental goals.

Adjunct Faculty, Math Methods *January 2024-August 2024*

Santa Clara University, Santa Clara, CA

- Developed course materials, including syllabi, lectures, assignments, and assessments.
- Collaborated with other faculty members to align course content and assessment strategies with departmental goals.

6 Math and Science Teacher, 8 STEM Teacher *July 2022-June 2023*

Sacred Heart Nativity, San Jose, CA

- Created and organized a Student-led Environmental Justice Science Conference held by Santa Clara University. The event yielded 50+ attendees including faculty and staff of Santa Clara University.
- Created and implemented a STEM curriculum for thirty 8th-grade students that was culturally relevant, inclusive, and aligned with California state standards.

6-8 Math Teacher, 7-8 Science Teacher *Jul 2021–May 2022*

Sacred Heart School, Salinas, CA

- Created and organized a school-wide science fair with 60 project participants. The event yielded 200+ attendees.

- Created a rigorous academic math environment, where by the winter quarter, 100% of 8th, 93% of 7th, and 84% of 6th graders performed at or above grade level in math on STAR testing.

Biology Laboratory Teaching Assistant *Aug 2019 – March 2020*
University of Dallas, Irving, TX

- Coordinated and supervised students to ensure laboratory experiences met course objectives
- Purified bacteria and cell culture, prepared cell plates, sterilized equipment, and properly disposed of contaminants.

Community Service and Engagement

Creando Ondas de Equidad (CODE), CEO *January 2025-Present*

- Co-founded a non-profit organization that supports and empowers immigrant families in the San Jose area.
- Organized community members with 20+ years of experience to create curriculum materials, manage a budget, and meet with board members to establish the organization.

Palo Alto Adult School, English Language Tutor *January 2024-Present*
Palo Alto, CA

- Created curriculum material for adult learners learning English as a Second Language (ESL)
- Meet weekly with adult learners and mentored them to prepare for their US citizenship exam

Sequoia High School, Biology Tutor
Redwood City, CA

- Meet weekly with newcomer students to support them in translating documents, transitioning to American high school, and learning English as an additional language.
- Supported students to fill out their college and financial aid applications for higher education.

St. Paul the Apostle Catholic Church *August 2020-May 2021*
Dallas, TX

- Youth Group Core Leader

Catholic Charities Dallas *August 2018-December 2018*
Dallas, TX

- Immigration Services Volunteer

University Service

Stanford University, Stanford, CA *December 2023-Present*

–Mexican and Mexican American Studies Club, Founder

–Stanford Women's Club Soccer, Team Member *January 2025-Present*

–Catholic Graduate Student Association, Council Member *May 2025-Present*

Santa Clara University, Santa Clara, CA

–Teachers of Color Culture Circle Leader *August 2022-Present*

–Catholic Schools Partnerships Committee, Member *August 2023-May 2025*

–Graduate Student Association, Councilmember *August 2022-June 2023*

University of Dallas, Irving, TX

–Spanish Club, Member *August 2017-May 2021*

–Women's Ministry, Leader *August 2019-May 2021*

–Women's Lacrosse, Member *August 2017-May 2018*

Skills

Language: Native English Speaker and Heritage Spanish Speaker. Proficient in reading, writing, and speaking in English and Spanish.

Computer: Microsoft, STATA, Dedoose, Canva.