Melannie Martinez

Manor, TX
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Professional Profile

Experienced secondary science educator and doctoral candidate with over nine years of teaching experience across chemistry, biology, and earth science. Demonstrated expertise in inquiry-based instruction, curriculum design, and differentiated learning for diverse student populations. Strong academic foundation and research-oriented focus aligned with STEM education leadership and doctoral-level scholarship.

Education

University of Texas at Austin – Austin, TX
Doctorate in STEM Education
Expected May 2029

Lehman College – Bronx, NY
Master of Science in Education
September 2016
Bachelor of Science in Environmental Science
• Geographic Information Systems (GIS) Certificate – *June 2014*

Teaching & Academic Experience

University of Texas at Austin – Austin, TX
Teaching Assistant, Undergraduate Teacher Education Course | *Fall 2025*

- Supported instruction in an undergraduate-level teacher preparation course focused on lesson and unit planning
- Assessed and provided formative feedback on student-created lesson plans and unit plans
- Conducted field observations of pre-service teachers during clinical placements
- Mentored pre-service teachers using a humanistic, reflective coaching approach, grounding feedback in individual goals, self-reflection, and instructional growth
- Collaborated with course instructors to support candidate development and professional readiness

Field Supervisor, Teacher Education Program | *Spring 2026 – Present*

- Supervise and mentor 16 pre-service teachers during their first formal teaching placement
- Conduct regular field observations to assess instructional practice, classroom management, and student engagement
- Provide written and verbal feedback on lesson plans aligned with instructional best practices
- Evaluate teacher candidates using the Texas Teacher Evaluation and Support System (T-TESS) rubric
- Support novice teachers through reflective coaching, goal-setting, and data-informed instructional improvement

Connally High School – Austin, TX
Chemistry Teacher | *August 2023 – May 2025*

- Designed and delivered standards-aligned chemistry instruction grounded in inquiry-based and student-centered pedagogy
- Integrated hands-on laboratory investigations to strengthen conceptual understanding and scientific reasoning
- Prepared students for STAAR state assessments, contributing to measurable academic growth
- Utilized formative assessment data to refine instruction and support diverse learning needs

IDEA Parmer Park – Austin, TX
Biology Teacher | *July 2021 – May 2022*

- Developed adaptive biology curriculum for ESL and SPED populations
- Implemented instructional strategies aligned with Individualized Education Plans (IEPs)
- Employed differentiated assessments to support mastery of core biological concepts
- Across all teaching roles, adapted curriculum to support English Language Learners (ELL) and students with IEPs
- Applied research-informed instructional strategies to promote critical thinking and scientific literacy

New Heights Academy Charter School – Harlem, NY
Earth Science Teacher | *August 2018 – July 2021*

- Facilitated project-based learning emphasizing real-world scientific phenomena and data analysis
- Collaborated with co-teachers to design differentiated instruction in integrated classroom settings
- Supported student achievement through interdisciplinary planning and inquiry-driven instruction

Academy for Language and Technology – Bronx, NY
Earth Science Teacher | *September 2017 – June 2018*
Democracy Prep Endurance Middle School – Harlem, NY
Earth Science Teacher | *October 2016 – July 2017*
Bronx Green Middle School – Bronx, NY
Earth Science Teacher | *November 2015 – June 2016*

Skills & Competencies

- **Languages:** Fluent in Spanish
- **Technical Skills:** Microsoft Word, PowerPoint, Excel, Geographic Information Systems (GIS)
- **Professional Strengths:**
  Curriculum design • Inquiry-based instruction • Differentiated learning
  Academic assessment • STEM pedagogy • Detail-oriented instructional planning