

CARLOS M. PEREZ, M.Ed.
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EDUCATION

M.Ed. Curriculum and Instruction December 2022
Concentration: STEM education
Texas Tech University

B.S. Biology May 2017
University of Houston

PROFESSIONAL EXPERIENCES

Instructional Consultant January 2023 - Present
Texas A&M University, College Station TX

- Facilitate professional developments for instructors related to Canvas with a focus on the technical aspect and pedagogical component.
- Design and implement e-learning modules related to digital learning environment and usage of the learning management system.
- Contribute to the development of strategies to improve the user experience in Canvas.
- Use of software to develop learning videos.

Biology Team Manager August 2020 - December 2022
Cypress-Fairbanks ISD, Houston TX

- Designed and delivered a comprehensive biology course for 700 students, promoting engagement and knowledge retention among diverse learners.
- Facilitated the implementation of a new learning management system for the team.
- Managed a team of 8 teachers and supported with an effective delivery of curriculum.
- Demonstrated leadership skills by organizing and leading scrum meetings, fostering collaboration and professional growth among team members.
- Managed a \$2000 budget with a focus on optimizing resources and ensuring availability of necessary materials for classroom activities.
- Maintained a consistent 95% passing rate for the team.

Lead Curriculum Designer August 2019 - December 2022
Cypress-Fairbanks ISD, Houston TX

- Designed curriculum for 5 biology courses with an average enrollment of 25 students classified as emergent bilinguals.
- Provided consultations for science teachers about the incorporation of language development strategies in daily lessons.
- Produced several alternative assessments that met standards for effective language accommodations.
- Collected data from low-stakes and high-stakes assessments to identify specific areas for improvement and to measure the curriculum objectives.

Biology Teacher

August 2017 - December 2022

Cypress-Fairbanks ISD, Houston TX

- Analyzed data from low-stakes and high-stakes assessments to create engaging and inclusive weekly lesson resulting in enhanced student learning outcomes.
 - Used the learning management system to improve instructions and to help students developing their digital skills.
 - Designed dynamic and inclusive STEM-based learning experiences to foster student engagement, critical thinking, and problem-solving skills.
 - Implemented an array of instructional strategies to cater to the diverse needs of underrepresented student groups, promoting inclusivity and equitable learning environment.
 - Employed a variety of assessments to regularly monitor student progress, adapt instructional approaches, and promote continuous improvement in student learning.
 - Collected, maintained, and analyzed student data throughout the year.
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OTHER EXPERIENCES

Mentor Teacher

August 2018 - December 2022

Cypress-Fairbanks ISD, Houston TX

- Mentored 2 new teachers annually offering guidance and support for professional growth.
- Promoted the school culture and values.
- Implemented the provided mentoring plan.
- Conducted weekly meetings with mentee teachers to assess classroom progress and provide constructive.
- Delivered expert advice on effective classroom management techniques and best teaching practices.
- Developed an action plan to help mentee teachers with the alignment of curriculum with instructions and assessments.

Master Teacher

January 2020 - May 2022

University of Houston, Houston TX

- Provided mentorship to two undergraduate students per semester offering guidance and support throughout their teaching semester.
- Demonstrated exemplary teaching practices, serving as a role model for these students.
- Facilitated biweekly meetings to establish goals and review progress to ensure continuous growth.
- Maintained open and effective communication regarding execution of lesson plans.

Manager of Instructions, Online STEM Camp

June 2020 & June 2021

University of Houston, Houston TX

- Mentored a group of undergraduate students in creating online lessons for middle school students, resulting in the development of 20 high quality lessons.
- Facilitated a virtual camp, engaging 200-300 middle school students in interactive and educational STEM activities.
- Shared numerous effective instructional strategies tailored for the digital classroom environment.
- Participated in daily Zoom meetings with the team to collaboratively plan and coordinate weekly lessons.

Manager of Instructions, STEM Camp

June 2019—August 2019

University of Houston, Houston TX

- Mentored undergraduate students aspiring to become future STEM teachers, offering guidance and support throughout their professional development journey.
- Effectively managed both undergraduate students and middle school students, ensuring successful completion of lessons.
- Conducted observations of undergraduate students teaching lessons to middle school students and provided constructive feedback to enhance their teaching skills.
- Developed comprehensive lesson plans tailored for 6th, 7th, and 8th graders, integrating the engineering design process to promote hands-on learning and critical thinking.

PRESENTATIONS

- Perez, C. (2022, July). Speaker for New STEM Teachers Academy. University of Houston, TX.
- Ibarra, A. & Perez, C. (2022, February). *"Using questions to make thinking visible in the science classroom"* [Conference presentation]. Western Region Noyce Alliance (WRNA) Conference, University of San Diego, CA.
- Perez, C. & Vu, T. (2021, November). *"Shifting the script: Questions to make thinking visible"* [Conference presentation]. Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.
- Perez, C. (2020, February). *"Fostering Learning Opportunities for All Students Through Formative Assessments"* [Conference presentation]. Western Region Noyce Alliance (WRNA) Conference, University of Portland, OR.
- Perez, C. & Vu, T. (2019, November). *"Learning through Questions"* [Conference presentation] Conference for the Advancement of Science Teaching (CAST), Dallas, TX.
- Perez, C. (2019, November). *"Implementing Formative Assessments to Support a Growth Mindset in Students"* [Conference presentation] Midwest Annual Robert Noyce Program Conference, St. Louis, MO.
- Perez, C. (2019, June). *"First Year of Teaching: Lessons Learned."* [Presentation] University of Houston Noyce Summer Institute, University of Houston, TX.
- Perez, C. (2019, June). *"Students Learning Progress and Formative Assessments"* [Conference Presentation] UTeach STEM Educators Conference, University of Texas, TX.
- Perez, C. (2019, April). Speaker for teachHOUSTON Alumni Teacher Panel. University of Houston, TX.
- Perez, C. (2019, February). Speaker for Voices from the Field Teacher Panel, Western Region Noyce Alliance (WRNA) Conference, University of Arizona, AR.
- Perez, C. (2019, February). *"Fostering a Learning Culture Through Assessments"* [Conference presentation] Western Region Noyce Alliance (WRNA) Conference, University of Arizona, AR.

- Perez, C. & Vu, T. (2018, November). "Giving Answers by Asking Questions" [Conference Presentation] Conference for the Advancement of Science Teaching (CAST), Fort Worth, TX.
 - Perez, C. & Marfani S. (2018, August). "What to Expect When Instructing" [Presentation] Professional Development, Cypress-Fairbanks ISD, Houston, TX.
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AWARDS

Teacher of the Month Award <i>Cypress Ridge High School, Houston, TX.</i>	May 2018 & November 2022
Teacher of the Year (Nomination) <i>Cypress Ridge High School, Houston, TX.</i>	May 2022
UTeach STEM Educators Outstanding Alumnus Award <i>University of Texas, Austin, TX.</i>	June 2021