JULIAN MERCER

HIGH SCHOOL TEACHER

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PROFESSIONAL SUMMARY

High School Math Teacher with 9+ years teaching Algebra, Geometry, and Statistics in urban public schools. Designs rigorous lessons, uses assessment data to close gaps, coaches student teams, and builds trusting relationships that keep teenagers on track to graduate.

PROFESSIONAL EXPERIENCE

Mathematics Department Lead Sep 2022 - Present
New York City Department of Education, Brooklyn, NY

- Lead a department of six math teachers, running weekly planning meetings and aligning units to state standards and Regents expectations.
- Built a shared bank of problem sets and common assessments with three colleagues, saving the department planning time each unit.
- Coach the math team, preparing students for monthly city competitions and growing membership from 8 to 20 students.
- Observe and give feedback to two new teachers each term, helping both improve their class routines and questioning.

Mathematics Teacher Sep 2020 - Aug 2022

- Taught five sections of Algebra I and Statistics to about 135 students, aligning units to state standards and Regents exam expectations.
- Analysed unit assessments to form tutoring groups, helping raise Algebra I Regents pass rates for my sections from 68% to 81%.
- Advised 25 students as a homeroom teacher, tracking attendance and credits and contacting families when students fell behind.
- Led after-school tutoring twice a week and used short check-ins to catch confusion before it affected unit grades.

Mathematics Teacher Aug 2018 - Aug 2020
Houston Independent School District, Houston, TX

- Taught Geometry and Algebra II to 10th and 11th graders, using visual models and real-world tasks to make abstract ideas concrete.
- Introduced weekly collaborative problem-solving sessions that raised average unit-test scores by six points across two years.
- Differentiated assignments for English learners and students with IEPs in coordination with special education colleagues.
- Served as department data lead, preparing benchmark reports and presenting trends to teachers at monthly meetings.

Mathematics Teacher Aug 2017 - Jun 2018
Austin Independent School District, Austin, TX

- Taught Algebra I and Geometry to four sections of ninth and tenth graders, planning daily lessons with a mentor teacher.
- Created review materials and quizzes that the department adopted for the remainder of the unit.
- Sponsored the student tutoring club, pairing 30 upperclassmen with younger students for peer support after school.

CORE SKILLS

Secondary math instruction | Lesson design | Assessment analysis | Differentiated instruction | Classroom management | Student advising | Regents and state exam preparation | Collaborative learning | Tutoring programs | Parent communication | Google Classroom | Desmos | Data-driven instruction | Team coaching

EDUCATION

M.Ed. in Secondary Mathematics Education, Teachers College, Columbia University, New York, NY

CERTIFICATIONS

New York State Initial and Professional Certification, Mathematics 7-12 | Texas Mathematics 7-12 Teaching Certificate | CPR and First Aid