JULIAN MERCER

MATH TEACHER

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PROFESSIONAL SUMMARY

High school mathematics teacher with 8+ years teaching Algebra I, Geometry, and Algebra II in Title I schools. Raises pass rates with frequent low-stakes checks, small-group reteaching, and data from common assessments. Comfortable with graphing technology and supports students who arrive below grade level.

PROFESSIONAL EXPERIENCE

Mathematics Teacher Aug 2020 - Present
Chicago Public Schools, Chicago, IL

- Teach five sections of Algebra I and Geometry to about 140 students each year at a neighborhood high school.
- Raised the Algebra I course pass rate from 71% to 83% by introducing weekly mastery quizzes and targeted reteaching groups.
- Analyze common assessment data with the grade-level team every three weeks and rebuild lesson plans around the weakest standards.
- Run Saturday and lunch tutoring that served about 25 students a week before end-of-course exams.
- Built a bank of 60 error-analysis problems that other teachers in the department now use for warmups.
- Sponsor the school's math club, which sent a team of eight to a city competition.

Mathematics Teacher Aug 2018 - Jun 2020
Rockford Public Schools, Rockford, IL

- Taught Algebra II and Pre-Calculus to grades 10 through 12, including one co-taught section with a special education teacher.
- Increased the average score on the Algebra II unit exams by 9 points through scaffolded notes and guided practice stations.
- Used Desmos and graphing calculators to teach functions, so students could connect equations to graphs.
- Coached the school's math team to a county top-five finish, with six students qualifying for the state contest.
- Created modified assignments for students with IEPs in partnership with the case manager.
- Redesigned the Algebra II exponential functions unit using real loan and population data, and unit exam averages rose by 6 points.

Math Tutor Jan 2017 - Jul 2018
Sylvan Learning, Chicago, IL

- Tutored 20 middle and high school students a week in algebra and geometry, and raised class grades by about one letter for most.
- Adapted lessons for individual pace with diagnostic assessments at intake and a progress report every month.
- Prepared high school students for the SAT math section with weekly practice tests and error logs, and saw average gains of about 60 points.
- Communicated progress directly to parents after every session, which kept re-enrollment high.

CORE SKILLS

Algebra and geometry instruction | Lesson planning | Common assessment analysis | Differentiated instruction | Small-group reteaching | Desmos and graphing calculators | Co-teaching | IEP accommodations | Classroom management | Illinois Learning Standards | Parent communication | Tutoring programs | PowerSchool

EDUCATION

Bachelor of Science in Mathematics, University of Illinois Chicago, Chicago, IL

CERTIFICATIONS

Illinois Professional Educator License, Mathematics 6-12 | Illinois Licensure Testing System (ILTS) Mathematics Content Test | CPR and First Aid