Marguerite Oyelowo-Brandt

Science Teacher, Chemistry and Physical Science

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SUMMARY

Certified science teacher with 7 years teaching chemistry and physical science to grades 8 to 11. Builds inquiry-based labs aligned to NGSS, raised the share of students meeting the state science standard from 41% to 58% and keeps a lab safety record with no reportable incidents. Leads the school's science olympiad team.

EXPERIENCE

Chemistry Teacher — Riverside Oaks High School

Sacramento, CA · Aug 2021 – Present

- Teach 5 sections of chemistry to about 150 students a year, with 58% meeting the state science standard in 2025, up from 41%.
- Redesigned 12 labs around NGSS practices so students plan their own procedures, raising lab report scores by an average of 14 points.
- Run a lab safety program for 3 science rooms, with 0 reportable incidents across 4 school years.
- Coach a science olympiad team that grew from 8 to 22 students and placed in 4 regional events in 2025.
- Co-lead a 6-teacher department team that built common unit tests for 3 courses and reviews results each quarter.

Physical Science Teacher — Cedar Ridge Middle School

Elk Grove, CA · Aug 2018 – Jun 2021

- Taught physical science to 5 classes of about 30 eighth graders, including 2 co-taught inclusion sections.
- Built a 6-week engineering design unit where students tested model bridges, adopted by all 4 grade-level teachers.
- Moved 35 students out of the lowest band on the district science benchmark in one year through small-group reteaching.

SKILLS

Teaching: Inquiry-based labs, NGSS alignment, differentiated instruction, formative assessment, co-teaching

Lab management: Chemical storage, safety training, equipment ordering, lab prep, waste handling

Technology: Google Classroom, PhET simulations, Vernier probes, Desmos, Canvas

Student support: English learner strategies, IEP and 504 plans, family communication, STEM clubs

CERTIFICATIONS

California Single Subject Teaching Credential, Chemistry and Science (Foundational-Level)

Flinn Scientific Laboratory Safety Course

CLAD Certification (English Learners)

EDUCATION

Master of Arts in Teaching, California State University, Sacramento, 2018

Bachelor of Science, Chemistry, University of California, Davis, 2016

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