

# Gayle Lennox

An enthusiastic and experienced educator, an excited computer programmer,  
a passion for social issues, and a creative problem solver all combined into  
one reliable human.

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## Certifications

### PROFESSIONAL EXPERIENCE (11 years in the classroom teaching physical science)

#### Boonsboro High School, Boonsboro, MD

August 2022– Present

Classes taught: Integrated Physics and Chemistry, Honors Chemistry

- Teaching duties as defined below.

#### Lincoln High School, Portland, OR

August 2016-June 2022

Classes Taught: IB Chemistry SL, IB Chemistry HL, NGSS Chemistry (10th grade required chemistry), and NGSS Physics (ninth grade required physics)

- Actively shaped curriculum development in chemistry courses. Initiated an adapted proficiency model to better help students understand their feedback.
- Used Excel and Google Sheets to help evaluate student progress, and taught programming to students for them to self-evaluate and better manage data.
- Guided students through full individual inquiry lab experiences - managing safety, creativity, and green chemistry principles.
- Most recently, served in the role of PLC Leader (department head) to collaborate with administration on my department's needs.
- Elected to Site Council (2017–2019) - a 2-year position, working in partnership between administration, parents, teachers, and students to discuss and make decisions in regard to school climate.
- In constant collaboration with peers in homogenous and heterogeneous groups within and outside school, district, and region to explore and reevaluate my teaching practice.
- Adapted curriculum to a full distance-learning model during the 2020–2021 school year. Utilized Google learning suite and other educational software to keep students engaged through the disruption.
- Led professional development and mentored colleagues to share expertise on classroom management.
- Contributed to the school community in various ways, including coaching and supervising students in the regional Science Bowl (science trivia competition) and leading seminars about Knitting in the annual Wellness Fair.

#### Eastern Senior High School, Washington, DC

August 2012 - June 2016

Classes Taught: NGSS Chemistry (10th grade required chemistry), AP Environmental Science, and Advisory (community building).

This high school had recently reopened and restaffed due to low performance. I was hired in the second year of the reopening plan, as we doubled enrollment and staff each year until graduating our first class in 2015. Without an upper-class cohort - teachers, in addition to rigorous academics, were also responsible for planning/supervising dances, pep rallies, and assemblies. I also supervised students in Knitting and Board Game Clubs.

#### Equity Certificate Program for School Leaders

August 2020- June 2021

A partnership between the Center for Equity and Inclusion (CEI) and Lewis and Clark University, this program consisted of 12 graduate level credits working with a cohort of teachers at my school, alongside other site-based cohorts throughout the region. Throughout the year-long intensive we analyzed ways to be more effective educators using critical race theory to guide our practice.

#### American Meteorological Society DataStream Certificate

August 2017- May 2019

A partnership between AMS and the California University of Pennsylvania. 3 course graduate certificate program, to practice educational strategies of bringing data-driven climate science into the K-12 classroom.

## EDUCATION

### **Georgia Tech University, Atlanta, GA**

Full Stack Web Development Bootcamp Certificate

January 2023- Current (ends 7/13/2023)

Currently studying JavaScript- based programming through an EdX curriculum which provides an overview of full-stack development through a project-based rigorous online bootcamp.

Skills learned: JavaScript ES6+, NodeJS, RESTful APIs, SQL, MongoDB, and React

### **Columbia University, New York, NY — MPH**

July 2010 - May 2012

Earned a Master of Public Health (MPH) in Environmental Health Policy. Completed the program with a GPA of 3.82, focusing on Environmental Justice and how science informs policy decisions. During my studies, I interned with We Act for Environmental Justice and National Resources Defense Council.

### **University of Georgia, Athens, GA — BSES**

Graduated December 2009

Earned a Bachelor of Science in Environmental Chemistry, Completed the program with a GPA of 3.75, focusing on biochemical interactions and preventing environmental exposures of pollutants. During and after graduation, I worked as a technician for the Hamrick Plant Biology lab (UGA) and the Environmental Protection Agency Region 4 lab.