

STEM FOR ALL

Name of Submitter: Charles Carter

Submitter Email: cacarter@campbell.edu

Presentation Title: From Barriers to Breakthroughs: Building STEM Pathways in Underserved Communities

Improving STEM access in underserved communities requires a multifaceted approach. Key strategies include expanding access to technologies, implementing culturally relevant and inclusive teaching, and providing mentorship from diverse role models. Hands-on, real-world learning opportunities, such as after-school and outreach programs and internships, boost engagement. Equitable resource allocation helps to ensure STEM students have quality materials and experiences. This presentation will address systemic barriers through educator training and fostering community partnerships that further support student success. Together, these strategies create a supportive and inclusive STEM ecosystem, empowering underserved students to participate, persist and lead in STEM fields.

Presentation Target:

High School

Presenter(s):

1. Charles Carter, Professor & Chair, Department of Pharmaceutical & Clinical Sciences, Campbell University
2. TBD
3. TBD