

CITIZEN SCIENCE

Name of Submitter: Robert Cobb Jr.

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Presentation Title: *Give Me the TEA: Technology, Engineering, Agriculture, and AI*

Attendees will learn about the evolution of a collaborative and inclusive effort initiated by faculty in the College of Agriculture and Environmental Sciences and the College of Science and Technology at North Carolina A&T State University. The outreach initiative intentionally targets high school students in groups that are underrepresented and marginalized in STEM and agriculture disciplines. Participants gain hands-on experiences using engineering graphics technology tools used by professionals in the architecture, engineering and construction industry. They learn about the application of various technologies in practical use and careers in agriculture. They will gain exposure to real-world challenges, meet professionals in STEM and agriculture fields, and enhance critical thinking, problem-solving skills and career exploration using AI. Our presentation will showcase program highlights and student-inspired programming modifications that motivate students to pursue opportunities in science, technology, engineering, math and agriculture.

Presentation Target:

Middle & High School

Presenter(s):

1. Robert Cobb Jr., Associate Professor, North Carolina A&T State University
2. Paula Faulkner, Professor, North Carolina A&T State University