FRUGAL SCIENCE ACADEMY

Bringing Leading Edge Science Into Your Classroom

AUDIENCE

Novice and experienced teachers alike will gain a greater knowledge of biotechnology and synthetic biology by engaging in practical laboratory experiences. Teachers will engage with this experience from a student and teacher preparatory side.

Preference will be given to teams of two or more teachers from the same school/district and from rural or minority serving institutions. Workshop will be capped at 16 participants to account for differentiated instruction and better instructor-to-participant ratio.

COST

Cost of attendance is free for participants. Teachers who complete the entire week of training will receive a $500.00 stipend. An additional $1000.00 is available to all participants who participate in 4 follow-up sessions scheduled throughout the 2023-24 school year and provide verifiable evidence of implementation plans during the 2023-24 school year

Date: 6/12-16/2023   Time: 8:00-4:30   Location: Athens Technical College

GOALS – Teachers will be able to:

A. Explain synthetic biology to students
B. Prep and complete basic synthetic biology labs
C. Incorporate science literacy strategies (C-E-R) in accordance with Science/CTAE/ELA GSE.
D. Engage with K-12 InVenture Prize Professional Development
E. Connect with job-alikes across the state to plan and implement GSE aligned lessons that are 3D in nature and incorporate literacy strategies.

GUEST SPEAKERS & PRESENTERS

- Dr. Saad Bhamla – Assistant Professor, School of Chem and Biomolecular Engineering – Georgia Institute of Technology
- Dr. Roxanne Moore – Senior Research Engineer – Georgia Institute of Technology
- Megan Heaphy – Curriculum & Equipment Specialist– CGHI Equipment Depot
- Dr. Natalie Kuldell – BioBuilder Foundation
- Bob Kuhn – Biotechnology Teacher of the Year
- Dr. Brittney Cantrell – Forsyth County Secondary Ed Specialist
- Janet Standeven – Program Director Frugal Science Academy – Georgia Institute of Technology

PROGRAM PARTNERS

Frugal Science Academy – Georgia Institute of Technology
Center for Global Health Innovation – Office of Workforce Development
K-12 InVenture Challenge – Georgia Institute of Technology

Center for Global Health Innovation

GT Georgia Tech

REGISTER