
Title: 14 STEAM, Service-Learning, and Community Gardening
Presenter: Jennifer Smyth, Tammie Simmons, Amy Thompson, Kenyatta Ward
Focus Area: Other Area
Other Area: Cross-Disciplinary Collaboration as New Teacher Support
Audience: 9-12

Abstract: How does our garden grow, and what does it have to do with science literacy? At Hertford County ECHS, we've planted seventeen raised beds, tested soil pH using Arduino microcomputers, and are in the process of developing labs, lessons and projects integrating the garden across the curriculum. Join us for this collaborative workshop session to explore reading and writing from two angles: playtesting a plant classification lab and programming an Arduino temperature-humidity sensor.

Presentation Addresses the Following Categories of Instructional Strategies that Affect Student Achievement

Yes Identifying similarities and differences

Yes Summarizing and note taking

Yes Questions, cues, and advance organizers

Setting objectives and providing feedback

Reinforcing effort and providing recognition

Yes Cooperative learning

Homework and practice

Yes Nonlinguistic representations

Yes Generating and testing hypotheses

Other