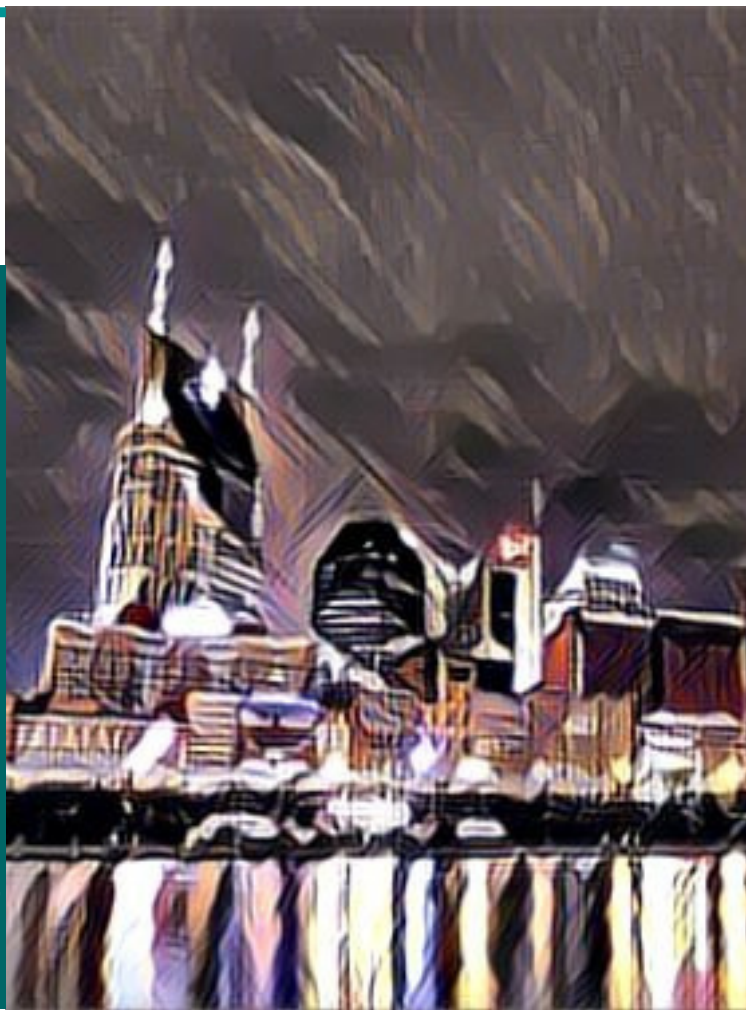




# NASHVILLE STATE COMMUNITY COLLEGE OER NEWSLETTER

“The principal goal of education in the schools should be creating men and women who are capable of doing new things, not simply repeating what other generations have done.” —Jean Piaget



OER FACULTY SPOTLIGHT:  
GRACIE KING

USING REGRESSION MODELS TO  
EXAMINE THE EFFECT OF CARBON  
DIOXIDE ON FLUID PH

The Quantitative Biology at Community Colleges (QB@CC) initiative, funded by the National Science Foundation (NSF) since 2019, aims to integrate quantitative skills into biology education. A notable activity developed through this initiative, in collaboration with Roane State and Harford Community Colleges, focuses on using statistics and regression models to explore how carbon dioxide affects blood pH levels. This involves studying the formation of carbonic acid from CO<sub>2</sub> and water and its implications during exercise. Hosted by QB@CC, the assignment exemplifies the project's commitment to enhancing students' quantitative understanding of biology, demonstrating a practical application of theoretical knowledge.



TENNESSEE  
OPEN EDUCATION

## INSTITUTE ON OPEN EDUCATIONAL RESOURCES

- AAC&U's yearlong Institute on Open Educational Resources is designed to help teams of faculty, staff, and administrators develop and implement OER plans.
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