From real-world context to building STEM competencies

By Padhu Seshaiyer

Today’s educational landscape is rapidly changing. This is not just because of the rapid access to information and the wide range of tools that help us do many things but also because of the paradigm shift in education in the last few years to move towards the latter. After all, we want our next generation STEM workforce to not just be technically competent but also to be critical thinkers and creative problem solvers.

This philosophy aligns with Mason’s College of Science efforts to go beyond a content-focused learning, experiential learning, project-based learning and challenge-based learning. Our college has championed delivering such frameworks through both curricular innovations and community engagement programs.

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Respond to the newly emptied acoustic space that results from fewer people on the road due to COVID-19.

California Polytechnic State University, and the University of Tennessee to evaluate if and how songbirds might respond in the newly emptied acoustic space that results from fewer people on the road due to COVID-19.

Rainald Löhner

Dynamics Director
Center for Computational Fluid Dynamics

The Today Show recently demonstrated how droplets from a sneeze can linger in a classroom with poor ventilation.

Mason scientist Rainald Löhner appeared on The Today Show recently to demonstrate how droplets from a sneeze can linger in a classroom with poor ventilation.

The Today Show

Biology

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The Today Show featured a scientist with special education.

COVID-19 shutdown marked the beginning of a half-century soundscape reversion during the COVID-19 shutdown. New York Times reporter David Luther said: “For many bird species, it’s like getting a new lease on life.”

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A team of Mason University and Elizabeth Derryberry, Associate Professor at the University of Tennessee, collaborated with a team of fellow ecologists from California Polytechnic State University, and the University of Tennessee to evaluate if and how songbirds might respond in the newly emptied acoustic space that results from fewer people on the road due to COVID-19.

David Luther

Singing in a silent spring: birds respond to a half-century soundscape reversion during the COVID-19 shutdown

By Tracy Mason

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