

Transforming Undergraduate STEM Education

Virtual Meeting to Focus on the Technology in Teaching and Learning

THURSDAY, MAY 21, 2026 (EDT)

11:00–11:10 **Welcome and Plans for the Day**

Kerry Brenner, National Academies of Sciences, Engineering, and Medicine

11:10–11:30 **Overview of Transforming Undergraduate STEM Education Report and the Principles**

Michael Dennin, University of California, Irvine

11:30–11:50 **Educational Technologies and Learning**

Rod Roscoe, Arizona State University

11:50–12:50 **Lightning Talks on Using Technology in Undergraduate STEM Education**

Greg Kestin, Harvard University

Ji Yun Son, California State University, Los Angeles, CourseKata

Kate Gardner and Sven Heinrich, LabXChange

Qiwei He, Georgetown University

Yasemin Copur-Gencturk, University of Southern California

12:50–1:00 **Break**

To Consider: How do you or could you use technology in your instruction in ways that are in alignment with the principles?

1:00–1:25 **Design and Evaluation of Courseware (Lumen One Statistics)**

Barbara Means, Digital Promise

Ellen Tedeschi, Digital Promise

Daysha Jackson Sanchez, Lumen Learning

1:25–1:45 **Break Out Discussions**

Reflecting on and Evaluating your use of Technology for Teaching and Learning

1:45–2:00 **The Future of Technology in Equitable and Effective Undergraduate STEM Learning**

Archie Holmes, University of Texas system

Michael Dennin, UC Irvine