



Instructional Practices Workshops DEVELOP AND DESIGN ENGINEERING SOLUTIONS

Engineers solve problems by using a systematic process called the Engineering Design Process, which includes identifying the problem, identifying the constraints and criteria, generating ideas, and testing possible solutions. With a growing demand that scholars be prepared for STEM focused careers, teachers have an increased responsibility to incorporate engineering into their classroom—often a difficult task. In this session, experienced STEM coaches from the National Institute of STEM Education (NISE) will take participants on an engineering journey! Hands-on learning will be the focus and will include structures and strategies that teachers can implement in their classroom the very next day. Engaging and useful formative assessments will be used to check for understanding to be sure that no participant is left behind.

The Outcomes

Participants will:

- Experience, through hands-on learning, how to use scale to design and solve an interesting science problem
- Learn how to plan and conduct an engineering project to evaluate scholars
- Experience structures and strategies that will encourage collaboration, communication, and critical thinking in your classroom

The Offer

Allow us to customize your professional learning session to address your district's or school's unique needs, resources, and schedules. Select the delivery method that works best for you: Face to Face 3-hour session for up to 50 participants @ \$1600.00 OR a Self Paced Online Course @ \$39.00 per participant.



audience



face-to-face
learning



self-paced
course

getstemcertified.com

contact us at 800-531-0864 or support@nise.institute
in partnership with Rice University and Accelerate Learning, Inc.

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