



STEM INNOVATION HUB

SCIENCE

TECHNOLOGY

ENGINEERING

MATH

To learn more, contact:

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PROFESSIONAL DEVELOPMENT OFFERINGS

The Southeast Tennessee STEM Innovation Hub offers professional development services to educators free of charge. Most of the professional learning experiences listed below can be tailored to any grade level or specific STEM area. Associated costs include only a nominal travel fee and for some workshops a small per participant materials fee. Contact the STEM Innovation Hub for more information and to check availability.

FOR STEM EDUCATORS

- STEM Problem-Based Learning
- Putting the E in STEM- Incorporating Engineering Design Concepts into Everyday Instruction
- Science Notebooks
- STEM 5E Inquiry Lesson Design
- The Art of Questioning in Great STEM Instruction
- STEM Project-Based Learning
- Horizontal and Vertical Curriculum Alignment in STEM
- Assessing and Addressing Student Misconceptions in Science and Math
- STEM on a Shoestring- Providing Quality Hands-On STEM on a Budget
- Making the Shift to the Common Core with STEM
- Reading and Writing Are STEM, Too!
- Backward Design
- Assessment in the STEM Classroom
- Formative Assessment in the STEM Classroom
- Applying the Next Generation Science Standards Framework to STEM Instruction
- Beyond the Science Fair: Student Research Projects in the Classroom
- Curriculum Topic Study for Science and Math
- Designing Effective Field Trip Learning Experiences

FOR EDUCATORS AND OTHERS

- Why STEM? Overview of STEM Practices and their Impact on Student Outcomes
- Beyond the School Day- STEM After School and at Home
- Community Asset Mapping- Using Community and Business Partners to Support STEM
- Grant Writing for the STEM Classroom