

3D Printer Loaner Program

Would you like to use a 3D printer in your classroom but don't have access to one? The RiSE Center has 3D printers to loan to schools. Teachers can request to borrow a printer for a 3 month period during the school year. This program is co-sponsored by the Perloff Family Foundation and the RiSE Center. For more information see: www.mainestempartnership.org/professional-development/3d-printing



Summer 2018 Opportunities

Summer Courses (tuition for 2 credits):
July 9-12 & 16-19, 2018
Elementary 3D Printing • High School 3D Printing • Physics by Inquiry

Content Immersion (Free): July 23-26, 2018
Understanding Climate using Observations & Models • K-8 Mathematics

Teacher-in-Residence (by application):
July 23-26, 2018
Elementary Science- TBD
Middle School Physical Science - SEPUP
Middle School Life Science - SEPUP

Leadership Academy: August 15 & 16

For details and to register please visit mainestempartnership.org

Mission Statement

The mission of the Maine STEM Partnership is to build and sustain a diverse, statewide, evidence-guided community that supports educators and strengthens PK-16+ STEM education by promoting rich, research-supported classroom experiences that deepen learning and engage all students. This STEM education improvement community seeks to build STEM literacy and career competency and to encourage students to pursue STEM careers, including becoming STEM educators and education researchers.



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mainestempartnership@maine.edu

Maine STEM Partnership at the RiSE Center

2018-19 Opportunities



mainestempartnership.org

updated February 2018



2018-2019 Professional Development Opportunities
Participating teachers will receive a stipend and/or contact hours

Cohort Communities

High School Collaborative FREE

This community is for high school teachers to share their individual expertise so that a rich collective expertise can emerge that helps everyone improve their own practice.

Affinity Groups \$200

Productive Talk: Come discuss the finer points of holding a productive discussion in your classroom. This is for teachers who have had previous Talk Science training and are actively using it in their classrooms. Three evening meetings during Spring 2019 at the RiSE Center.

3D Printing: Come learn to use a 3D printer to support NGSS-aligned or CCSS-aligned learning experiences for students. Work with other teachers to develop lessons that integrate the engineering design process. This group will meet two Saturdays at the RiSE Center.

K-5 Mathematics: Come work with other PK-5 teachers from across the state to strengthen your math content knowledge, participate in inquiry activities, and discuss effective, research-based teaching strategies. There will be three evening meetings at the RiSE Center, with options to connect digitally.

Teacher Leadership Programs

Meetings will prepare participants as STEM Resource Partners (SRPs) to conduct study groups within their school, district, or region. Participating teachers will receive stipends and contact hours. Regional meetings will be held at multiple locations.

**Assessment for Learning \$550
plus one release day**

Learn to utilize several evidence-based, high-impact strategies to support student-centered assessment. This community will explore these strategies, apply them to various content areas, and collaborate to implement them in the classroom. This program is a collaboration between Dr. Anita Stewart-McCafferty and Dr. Jeff Beaudry from the University of Southern Maine and the RiSE Center. There will be five evening meetings and a release day.

**Productive Talk \$550
plus one release day**

The Productive Talk program, adapted from the Inquiry Project at TERC, supports teachers in leading productive, equitable conversations in their classroom to help students share, expand, and clarify their ideas, listen to others, explain their reasoning, and reason with others. There will be five evening meetings and a release day.

Science Resources

The RiSE Center supports teachers in using the following research-supported, community-vetted instructional resources. If you're looking for science materials to use in your classroom, you can rent resource-specific kits, textbooks, and access to on-line materials for the following rates:

Resource	Price/student
K-5 (Resource TBD)	\$15
Middle School Earth Science- SEPUP	\$15
Middle School Physical Science (TBD)	\$15
New Middle School Life Science- SEPUP	\$15
9th grade Earth Science	\$15

Science Resource PD

Resource Training \$450

Do you want to learn how to use your classroom materials? Do you need a refresher? This is the community for you!! Join your fellow teachers to collaboratively walk through each resource and the associated the support materials. August 13 & 14.

Resource Cohort - Additional Meetings \$325

Join this community of teachers who use RiSE science materials to collaborate on resources, create common assessments, and demo lessons. This is a great opportunity to connect with others teaching the same materials! Four Saturdays, 9am-12pm.