CMSE Research Experience for Teachers

Spend summer 2015 engaged in exciting research at MIT’s Center for Materials Science and Engineering!

Join a team of faculty, graduate students, and postgraduate researchers performing cutting-edge research in the broad field of materials science and engineering, and then explore ways to use that experience to enrich your teaching. Learn to use state-of-the-art equipment and techniques. A variety of research projects are available, including projects in the following areas:

- physics
- chemistry
- biomaterials
- engineering
- nanomaterials
- polymers

No research experience is required. All you need is enthusiasm and a desire to learn. See how the science and engineering principles you teach in the classroom are applied in laboratory research. The program includes weekly group meetings where you will have a chance to share your experience with fellow teachers and discuss connections between your classroom curriculum and current materials science research in the lab. Participation in a research poster session toward the end of the summer is required.

- **Program eligibility:** Middle- and high school-level science and engineering teachers at schools within commuting distance of MIT are invited to apply.
- **Program duration:** Seven full-time weeks during the first summer. Dates are slightly flexible. Participants are encouraged to return for an optional second summer of flexible duration to continue research and/or develop classroom material based on their research at MIT.
- **Stipend:** $7000/first summer; $3500/second summer
- **Application:** Available at [http://web.mit.edu/cmse/educational/RETapplication15.pdf](http://web.mit.edu/cmse/educational/RETapplication15.pdf) or contact Susan Rosevear for a paper application.
- **Application deadline:** March 20, 2015

For further information or questions, contact:

Susan Rosevear  
Center for Materials Science and Engineering  
77 Massachusetts Ave., Room 13-2082  
Cambridge, MA 02139-4307  
phone: 617-253-0916  
e-mail: susang@mit.edu

Please note that participants must be US citizens or permanent residents.

MIT is a non-smoking environment. Women and members of minority groups are encouraged to apply.

Michael Griffin, Bedford High School Environmental Science teacher researched improved catalytic properties of porous materials during the summer of 2015.