Science Teachers
Enrichment Program (STEP)
Materials and Energy Systems
July 19 – 23, 2021 (Virtual over Zoom!)

Spend a week with MIT’s MRSEC in a free hands-on workshop about the role that materials play in energy systems to solve problems for people. You may be surprised to discover that seemingly different engineers – electrical engineers, mechanical engineers, materials scientists, aero-astros, ocean engineers, chemical engineers, and even computer scientists – are all ultimately studying the same thing: energy! Under the guidance of Professor Steven Leeb, explore a kit of remarkable projects that we will build together during the week while hearing lectures about energy systems. All materials provided!

The project-building portion of the workshop is taught simultaneously to high school women participating in the MIT Women’s Technology Program.

We will be looking at motors, speakers, engines, windmills, temperature sensors, and other systems that produce or consume or measure energy!

The final day of the workshop is devoted to group discussion and brainstorming about related projects for use in K-12 classrooms.

Program details:

- Middle and high school science teachers are invited to apply! Space is limited!
- Program takes place 9:00am – 5:00pm (Eastern) Monday-Friday, July 19-23 (over Zoom).
- $300 stipend will be awarded to each participant
- Registration form available at: https://mitmrsec.mit.edu/education-outreach/teachers

For further information, contact: Susan Dalton (sdalton@mit.edu), Massachusetts Institute of Technology, Materials Research Laboratory, 77 Massachusetts Avenue, Room 13-2054, Cambridge, MA 02139-4307

Women and members of minority groups are encouraged to apply!
Please note: Only U.S. citizens and permanent residents are eligible for this program.