



Lawrence Livermore National Laboratory

Summer Program 2025 TRA *Hot Topic* Sessions
Register Online: education.llnl.gov



FREE! Professional Development Workshops at LLNL



CONTINUING EDUCATION CREDIT: Available through CSU Chico



UNDERSTANDING ENERGY TECHNOLOGY

June 16-17, 2025 | 8:30 am – 4:00 pm

This new session is designed specifically for educators, where you'll dive into the world of cutting-edge energy technologies and their real-world applications. This hands-on experience will equip you with engaging tools, lesson plans, and interactive demonstrations to bring topics like renewable energy, battery storage, and sustainable power solutions to life.



DRONE DESIGN & APPLICATION

June 19-20, 2025 | 8:30 am – 4:00 pm

Explore drone development for engineering, science, and computer science classes. This hands-on session covers drone design, programming, and real-world applications, while providing practical tools and lesson plans to integrate drones into your curriculum. Inspire students with STEM concepts like coding and aerodynamics, and transform your classroom into a hub of innovation and creativity!



ARTIFICIAL INTELLIGENCE (AI) FOR THE CLASSROOM

June 23-24, 2025 | 8:30 am – 4:00 pm

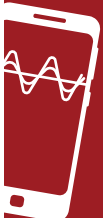
This session is designed to help STEM educators become more knowledgeable about artificial intelligence (AI). A significant portion of the workshop will be dedicated to becoming familiar with AI tools and building confidence to apply these to a range of tasks such as improving subject matter knowledge, creating content for lessons, designing assessments, and assistance with communications.



DATA ANALYTICS FOR STEM LABS USING AI

June 26-27, 2025 | 8:30 am – 4:00 pm

Participants will use artificial intelligence (AI) tools with natural language prompts to analyze experimental data in life sciences, physical sciences, and engineering. They will perform statistical analysis, coordinate transformations, signal processing, and other advanced computations without needing programming skills.



PHYSICS WITH PHONE SENSORS ~VIRTUAL

July 14-18, 2025 | 8:30 am - 3:30 pm

This online 5-day workshop will focus on hands-on activities designed to use science and engineering practices to explore core disciplinary ideas in physics. The activities will exploit the amazing sensors found in smartphones. During this workshop you will become experienced in using the sensors in open ended exploration that will enable completely new opportunities for students to explore and learn physics.