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| Safety in STEM | Training Program | Important safety practices for the hands-on learning environment in today’s STEM “maker spaces!”

Register online by March 10, 2016 at [www.CIRMAtraining.org](http://www.CIRMAtraining.org)

For more information about payment please contact Ryan Launder via email at rlaunder@wesleyan.edu

Please Note:
- Class size is limited to a minimum of 25 and maximum of 50 attendees.
- Please Bill P.O. #_______________

Party Responsible For Payments: ______________________________  ______________________________

Please make checks payable and forward to PIMMS c/o Wesleyan University, 51 Green Street, Middletown, CT 06457

CONNECTICUT INTERLOCAL RISK MANAGEMENT AGENCY
900 Chapel Street
New Haven, CT 06510-2807

Connecticut Interlocal Risk Management Agency
900 Chapel Street
New Haven, CT 06510-2807

REGISTER EARLY! Space is Limited!

Training Program Cancellation or Postponement

This training program may be cancelled or postponed due to insufficient enrollment, inclement weather, or other unforeseen circumstances. Registrants will be notified of any change by e-mail or phone.
Learning Objectives

Many school districts are introducing STEM classes, projects, and other activities that often involve not only the use of test tubes and Bunsen burners, but also hand and power tools. STEM programs must maintain a balance between instructional activities and safety. Without the collaboration of technology education teachers, science teachers have to go it alone. With this is the expectation that science teachers and their students make use of non-science lab equipment such as power and hand tools. Obviously there are major safety issues in this approach.

Managing STEM safety and reducing teacher/supervisor liability go hand-in-hand. With appropriate safety protocols including the required engineering controls (ventilation, wood dust collection system, eye wash, etc.), administrative controls (standard operating procedures), and personal protective equipment (safety glasses, gloves, etc.), students and teachers can investigate natural phenomenon in a safer way. OSHA requires Boards of Education to train new science teachers upon their initial assignments and veteran science teachers when changes are made in their assignments.

If you are a new or veteran middle or high school science teacher who is responsible for STEM activities, programs, or courses and in need of the mandated OSHA safety training, this training program is a must! The program acquaints science teachers, science supervisors, principals, and others responsible for STEM education with legal safety standards and better professional practices.

When these protocols are not in place or are inappropriate, the potential for accidents and serious injury are especially acute in a STEM laboratory or “maker spaces,” with its hands-on and inquiry/project-based curricula. Issues such as laboratory occupancy loads, new OSHA Globally Harmonized System (GHS) rules, hand and power tool use, required eyewash flushing protocols, appropriate ventilation, duty of care/liability, use of safety acknowledgement forms, and much more need to be addressed and enforced to protect teachers and their students.

Topics include:

1. Potential safety hazards in a STEM instructional space.
2. Safety legal standards, better professional practices, and liability.
3. Planning for a safer learning/working environment.

Summary

Because of the high level of safety risks in STEM activities, we are again offering this new training and education program for neophyte and veteran STEM teachers to provide the mandatory OSHA safety training. It focuses on creating or improving a safer working environment in middle and high school STEM activities, courses and programs, and building compliance with mandated legal safety standards and better professional practice.

Audience

This training program is designed for:

- Science or STEM Teachers – new or veteran
- Curriculum Coordinators
- Science Department Supervisors
- School Administrators
- Facilities Personnel
- Anyone responsible for school safety

About the Instructor

Dr. Ken R. Roy

Internationally recognized lab science safety compliance specialist.

Dr. Roy is on staff at the Glastonbury Public Schools as Director of Environmental Health & Safety. He is trained as an authorized OSHA instructor. He serves as Chief Science Safety Compliance Adviser for the National Science Teachers Association (NSTA). He is the contributing safety editor/columnist for NSTA’s The Science Teacher, Science Scope, and Science & Children journals. Dr. Roy provides safety trainer/consultant services for CIRMA and CSSN.

As manager and senior consultant of National Safety Consultants, LLC, he provides professional services to educational, governmental and business communities in the areas of employee and employer risk management and safety compliance.