

STEMathon Safety Guidelines

PURPOSE

To promote a safe conference, the following list of guidelines have been developed and provided to each presenter. These guidelines must be followed at all times. These guidelines are also posted on the conference website.

GENERAL GUIDELINES

1. Conduct yourself in a responsible manner at all times with safety of all attendees in mind.
2. Practice all demonstrations or procedures prior to presenting them.
3. Use appropriate personal protective equipment including goggles, impact glasses, safety shields, aprons, lab coats, protective shoes, and gloves.
4. Dress safely for your presentation.
5. Keep aisles clear and ensure that exit routes are not blocked.
6. Know where the fire exits are located. Information is posted in each room.
7. If involving the audience in procedures, provide detailed instructions about the procedures and safety precautions in a handout and go over them verbally and visually.
8. If involving the audience in procedures or performing any potentially hazardous demonstration, provide members of the audience with appropriate personal protective equipment.
9. Limit quantities of potentially hazardous materials to only what is required for demonstration purposes. Use only quantities that can be handled by the conference center ventilation system.
10. Immediately report accidents or injuries to conference staff.
11. Make sure all chemicals are labeled in accordance with OSHA's Hazard Communication Standard.
12. Dispose of all chemical waste properly.
13. Comply with all local fire and safety rules and regulations.
14. Use tools with non-conducting handles.
15. Exercise extreme caution when using a gas burner or torch. Take care that hair, clothing, hands, and combustible items are a safe distance from the flame at all times.
16. Allow all heated material to cool down before disposal or being put away.
17. Do not select volunteers from the audience without providing proper participation instructions in advance.
18. Warn participants of any loud noises.
19. Do not taste or have participants taste non-food substances.
20. Alert the audience of any possible allergens.

PROHIBITED MATERIALS AND PROCEDURES

21. Anything that could cause harm to the body such as: walking on broken glass or hot coals with bare feet, passing an electric current through the body, lying on a bed of nails, touching extreme hot or cold substances.
22. Live vertebrate animals for any purpose.
23. Live ammunition, firearms, explosives, and fireworks.
24. Poisonous or toxic plants.
25. Experiments involving human body fluids.
26. Radioactive materials.
27. Glassware and equipment that is broken or damaged.
28. Pressurized gas cylinders.
29. Lasers with a maximum output power rating exceeding 1.0 milliwatts.
30. Anything that could damage the conference facility.