

Document A

Remember the Cardinal Rule: Safety First

NJACS ChemExpo

Adapted from

American Chemical Society - Division of Chemical Education Guidelines

Liberty Science Center Regulations

Please sign and return this contract with a list of chemicals and supplies that will be used for demonstration by SEPTEMBER 15.

Chemical Demonstrators:

- a. Must wear safety goggles for all chemical demonstrations.
- b. Must know the properties of the chemicals used in all demonstrations.
- c. Should make an effort to adapt "Green Chemistry" principles and not use toxic materials that are harmful to the environment such as benzene, CCl_4 , CS_2 , formaldehyde.
- d. Must not plan a demonstrations that produce noxious gases such as NO_2 , SO_2 , H_2S .
- e. Must not use open fires (Burners or candles). May use hot plates instead.
- f. Must not taste or encourage spectators to taste any edible/non-edible substance.
- g. Must not use demonstrations in which parts of the human body are placed in danger such as dipping hands into liquid nitrogen.
- h. Must warn the members of the audience to cover their ears whenever a loud noise is anticipated.
- i. Must provide safety shield protection wherever there is the slightest possibility that a container, its fragments, or its contents could be propelled with sufficient force to cause personal injury.
- j. Must provide written procedure, hazard, and disposal information for each demonstration whenever the audience is encouraged to repeat the demonstration at another location.
- k. Must not bring in helium balloons inside Liberty Science Center.

On behalf of my/our group I/we agree to abide by these rules & guidelines:

GROUP NAME _____ (print name)

GROUP LEADER _____ (print name)

_____ (signed name & Date)

GROUP NAME _____ (print name)

_____ (signed name & Date)