

Safety Guidelines

ChemExpo 2021 Presenters/Contestants

Safety:

All students/teachers/instructors are required to:

1. Wear safety goggles.
2. Wear appropriate Personal Protective Equipment (PPE) for the activity (may include aprons, lab coats, gloves).
3. Provide a list of chemicals and protocols for using as well as disposing of them to the organizers prior to the event (**October 23, 2021**).
4. Bring Safety Data Sheets (SDS) for the chemicals you will use with you to the event.
5. Do not use candles or open flames. If heat is needed use hotplates and make sure they are attended at all times.
6. Handle electrical equipment with care – no exposed wires, cords must be taped down to avoid falls.
7. Do not bring helium or helium filled balloons to the Liberty Science Center.
8. Do not allow any part of the experiment to be eaten. For example, if candy is used in the experiment provide separate sealed candy packs to give to participants. Even if not toxic, allowing parts of the experiment to be eaten sends the wrong message.

The Activity:

1. Pertains to the topic or theme.
2. Demonstrates scientific concepts or related aspects of the topic.
3. Shows creativity.
4. Draws attention and interest of the audience.
5. Can be done safely using common materials or household chemicals (preferred, but not required).
6. Exercises the principles of Green Chemistry (refer to the following website:
<https://www.epa.gov/greenchemistry/green-chemistry-resources>)

Team Work:

1. If the activity is performed by one person, the team members should take turns performing the demonstrations.
2. If more than one person is involved, there should be good coordination among team members.
3. All members should understand the principles of the activity and be able to answer question.