

DISPLAY AND SAFETY CHECK LIST

- Check that the number on this form matches the number on the table.
- Check that the project is not more than 48 inches wide (half a table), 30 inches deep, and 78 inches high from table top.
- Check that the student's name, address, town, phone number, e-mail, web address, and school name do not appear on the project, with the exception of the abstract and cover page of the research project. The student's name may be on the back of the backboard. Photographs of student researcher(s) are allowed, provided they are not identified by name.
- Check that all graphics and photos on display reference their source if other than the student's original work.
- Check that no equipment (computers, oscilloscopes, video display terminals, playback devices, spectrographs, etc.) is displayed, except where it is an integral part of home-built apparatus.
- Check that the project complies with all the Display and Safety Regulations below. Check that the student's project discard paperwork is filled out and ready to be handed in.
- Sign the Blue Number Card and tape it firmly to the lower right corner of the project.

Checked by: _____
(To be signed only by a Display and Safety Volunteer)

Display and Safety Regulations

Not Allowed At Project

1. Living organisms including plants, animals, or microbes.
2. Taxidermy specimens or parts.
3. Preserved vertebrate or invertebrate animals.
4. Human or animal food.
5. Human/animal parts or body fluids (for example, blood, urine).
6. Plant materials (living, dead, or preserved) which are in their raw unprocessed, or non-manufactured state.
7. Laboratory/household chemicals including water (Exceptions: water integral to an enclosed apparatus; crystals grown by you, displayed in a case, and removed after final judging)
8. All hazardous substances or devices [For example, poisons, drugs, controlled substances, firearms, weapons, ammunition, reloading devices, lasers (as indicated in item 5 in the section of these rules entitled "Allowed at Project BUT with the Restrictions Indicated").
9. Dry ice or other sublimating solids.
10. Sharp items (for example: syringes, needles, pipettes, knives).
11. Flames or highly flammable materials.
12. Batteries with open-top cells.
13. Awards, medals, business cards, flags, endorsements and/or acknowledgments (graphic or written) unless the item(s) are an integral part of the project
14. Photographs or other visual presentations depicting vertebrate animals in surgical techniques, dissections, necropsies, or other lab procedures.
15. Active Internet or e-mail connections as part of displaying or operating the project at the CSF.
16. Prior years' written material or visual depictions on the vertical display board.
17. Overlapping panels on the backboard are not permitted. Supporting detailed information should be contained in a data book or as part of the research report.
18. Glass or glass objects unless deemed by the Display and Safety Committee to be an integral and necessary part of the project. (Exception: glass that is an integral part of a commercial product such as a computer screen).
19. Any apparatus deemed unsafe by the Display & Safety Committee (for example, large vacuum tubes or dangerous ray-generating devices, empty tanks that previously contained combustible liquids or gases, pressurized tanks, etc.).

Maximum Size of Display

30 in (76 cm) deep
48 in (122 cm) wide
78 in (198.1 cm) high from table top

Allowed at Project BUT with the Restrictions Indicated

1. Photographs and/or visual depictions if:
 - a. They are not deemed offensive or inappropriate by the Display and Safety Committee.
 - b. They have credit lines of origin ("Photograph taken by..." or Image taken from..."). If all photographs being displayed were taken by the participant or are from the same source, one credit line prominently and vertically displayed is sufficient.
 - c. They are from the Internet, magazines, newspapers, journals, etc., and credit lines are attached. (If all photographs/images are from the same source, one credit prominently and placed on the backboard is sufficient.)
 - d. They are photographs or visual depictions of the participant.
 - e. They are photographs of human subjects for which signed consent forms are at the project or in the booth.
2. Soil, sand, rock and/or waste samples only if permanently encased in a slab of plastic.
3. Any apparatus with unshielded belts, pulleys, chains, or moving parts with tension or pinch points may not be operated.
4. Class II lasers if <1mW:
 - a) May be operated only by the fair participant.
 - b) May be operated only during finalist judging.
 - c) Labeled with a sign reading "Laser Radiation: Do Not Stare Into Beam"
 - d) Must have protective housing that prevents physical and visual access to beam.
 - e) Must be disconnected when not operating.
5. Class III and IV lasers may not be operated.
6. Any apparatus producing temperatures that will cause physical burns must be adequately insulated.

Electrical Regulations

1. Bare wire and exposed knife switches may be used only in circuits of 12 volts or less.
2. All electrical connectors, wiring, switches, extension cords, fuses, etc. in high voltage circuits (over 12 volts) must be UL-listed and must be appropriate for the load and equipment. Connections must be soldered or made with UL-listed connectors. Wiring, switches, and metal parts must have adequate insulation and overcurrent safety devices (such as fuses) and must be inaccessible to anyone but the fair participant. Exposed electrical equipment or metal that is liable to be energized must be grounded or shielded with a grounded metal box or cage to prevent accidental contact. There must be an accessible, clearly visible on/off switch or other means of disconnect from the power source. Maximums are 500 watts @120 volts A.C. / 60 Hertz.
3. Finalists requiring 120 volt AC electrical power must provide a UL-listed 3-wire extension cord which is appropriate for the load and equipment.