

IMPORTANT DISPLAY NOTICE

PURPOSE OF DISPLAY: The purpose of the display is to show the results of an experiment, not to conduct the experiment. Please leave items used in the experiment and props at home. Instead, use your display to show what you did and tell what you concluded. Rely on your backboard to communicate the results and capture the judges' attention. Provide a report and your journals to describe what you accomplished. See the display hints discussion in the student guide.

NO OVERLAPPING SHEETS ON DISPLAY: Overlapping pages on backboard are not permitted. Display board data, graphs and diagrams must be single layered. Your display needs to be concise. Additional supporting data and graphs should be contained in a data book or as part of the research report.

NO LIQUIDS INCLUDING WATER: You are reminded that chemical simulations including dyed or clear water are not allowed. Clean, empty containers only may be displayed.

APPARATUS REMINDER: The purpose of the display is to show the results of an experiment, not to conduct the experiment. Leave items used in the experiment and props at home. Equipment that is commercially made or that requires wall power, except where incorporated into home-built apparatus, or that is fragile or valuable is prohibited before final judging day. This includes computers, microscopes, radios, stop watches, meters, lasers, and so forth. Finalists may bring apparatus on final judging day, provided it complies with the other display and safety regulations, and is removed at the end of the day. Electric power will be available on Thursday to those who requested it on their registration form.

COMMON VIOLATIONS: The following are **prohibited**:

- All chemicals, including common household products. Chemical simulations including dyed or clear water are not allowed. Clean, empty containers only may be displayed.
- All living organisms including plants, animals, microbes, and soil containing microbes.
- All plant materials, including dried plants
- All animals or parts, vertebrates or invertebrates, or animal fluids.
- Glass and other items that may pose a hazard to the viewing public

YOUR NAME: Your name, address, town, phone number, e-mail, web address, and school name should not appear on the project, with the exception of the abstract and cover page of the research report. Your name may be on the back of the backboard. Photographs of you are allowed, provided you are not identified by name.

See the complete display and safety regulations printed on the back. These are the same display and safety regulations that volunteers will use to approve your project after you set it up.

Thank you for your cooperation.

Bob Harris

Bob Harris
Chairman, Display and Safety Committee
phone: 203-457-1322
display@ctsciencefair.org

**Only Table Top Displays are allowed.
Maximum Size of Display**

30 in (76 cm) deep
48 in (122 cm) wide
78 in (198 cm) high from table top

Display and Safety

Not Allowed At Project

1. Living organisms including plants, animals, 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. Poisons, drugs, controlled substances, hazardous substances or devices (for example, firearms, weapons, ammunition, reloading devices)
9. Dry ice or other sublimating solids
10. Sharp items (for example, syringes, needles, pipettes, or 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, other lab procedures
15. Active Internet or e-mail connections as part of displaying or operating the project at the CSF.
16. 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.
17. 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)
18. 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.)

Allowed at Project BUT with the Restrictions Indicated

1. Soil or waste samples **if permanently encased in a slab of acrylic.**
2. **Photographs and/or visual depictions if sources are credited. For example: Photographs taken by finalist** Photographs of participants are allowed, provided participants are not identified by name.
3. Any apparatus with unshielded belts, pulleys, chains, or moving parts with tension or pinch points may not be operated.
4. Class II lasers:
 - a) May be operated only by the fair participant.
 - b) May be operated only during finalist judging.
 - c) Posted sign must read "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 A.C. electrical power must provide a UL-listed 3-wire extension cord which is appropriate for the load and equipment.

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For questions regarding display rules

Contact Mr. Bob Harris
e-mail: display@ctsciencefair.org