



## Items NOT ALLOWED at Project Display

1. Living organisms, including plants
2. Soil, sand, rock, cement and/or waste samples
3. Taxidermy specimens or parts
4. Preserved vertebrate or invertebrate animals
5. Human or animal food as part of the exhibitor demonstration of the project.
6. Human/animal parts or body fluids (for example, blood, urine) NO exceptions for teeth, hair, nails, dried animal bones, histological dry mount sections, and completely sealed wet mount tissue slides.
7. Petri dishes or culture tubes with living or dead cultures
8. Plant materials (living, dead, or preserved) that are in their raw, unprocessed, or non-manufactured state (Exception: manufactured construction materials used in building the project or display)
9. All chemicals including water (exception: sealed bottled water for human consumption)
10. All hazardous substances or devices (Example: poisons, drugs, firearms, weapons, ammunition, reloading devices)
11. Large vacuum tubes or dangerous ray-generation devices (exceptions: computer monitors on battery-operated notebook computers when used for computer modeling projects)
12. Items that may have contained or been in contact with hazardous chemicals (Exception: Item may be permitted if professionally cleaned and document for such cleaning is available)
13. 3-D Printers
14. Dry ice or other sublimating solids
15. Sharp items (for example, syringes, needles, pipettes, knives)
16. Flames or highly flammable materials (including magnified light sources). A Fresnel Lens cannot be used in conjunction with a light source - it becomes an open flame.
17. Any apparatus producing heat above room temperature (e.g. heat lamp, hotplates, Bunsen burner)
18. Batteries with open-top cells or wet cells
19. Glass, or glass objects, (including mirrors in hologram or laser apparatus), unless deemed by the Display and Safety Committee to be an integral and necessary part of the project (for example, glass that is an integral part of a commercial product such as a computer screen)
20. Any apparatus deemed unsafe by the Scientific Review Committee, or the Display and Safety Committee (Example: empty tanks that previously contained combustible liquids or gases, pressurized tanks, etc.)
21. The Display and Safety Committee reserve the right to remove any project for safety reasons or to protect the integrity of the State Science Day and its rules and regulations.
22. Awards, medals. Flags, etc. (Exceptions: Academy membership or State Science Day lapel pins)
23. Organizational/school/mentor/grant provider/etc. logos or reference statements

## Other Display Safety Regulations

1. Any inadequately insulated apparatus producing extreme temperatures that may cause physical burns is not allowed.
2. Any apparatus with unshielded belts, pulleys, chains, or moving parts with tension or pinch points must be for display only.
3. Project sounds, lights, odors, or any other display items must not be distracting. Exceptions to this rule may be permitted for judging demonstrations. Approval must be given prior to judging. Exhibitors must endeavor to limit the distraction to be as brief as possible. Extended distraction(s) may cause the exception to be revoked by the Safety and Display Committee.

## Electrical Regulations at State Science Day

1. No AC electrical power will be provided or shall be used.
2. Battery powered devices must be protectively enclosed. Any enclosure must be non-combustible. All external non-current carrying metal parts must be grounded.
3. Energized wiring, switches, and metal parts must have adequate insulation and over-current safety devices (such as fuses) and must be inaccessible to anyone other than the student(s) for the project.

## Laser Requirements

Any Class 1 or Class 2 lasers, along with only Class 3A or 3R lasers, are allowed to be used provided a finalist avoids indiscriminate exposure to other finalists, judges, or visitors (except if passed through magnifying optics such as microscopes and telescopes, in which case they may not be used). No other lasers may be used or displayed.

1. Any laser must be labeled by the manufacturer so that power output can be inspected. Lasers without labels will NOT be "cleared."
2. LED's that consume over 1 watt, unless they are in a commercial light bulb/fixture or otherwise shielded, will not be allowed.
3. Lasers will be confiscated with no warning if not used in a safe manner. Serious offenses may result in failure to qualify.

Due to unavailability of electrical power supply at State Science Day, use of lasers is limited to battery-powered equipment (Laser classifications defined:

<https://www.rli.com/resources/articles/classification.aspx>)