

Inland Science and Engineering Fair Safety Rules

1. Electrical materials:

- Electrical materials must meet standard safety laws and practices.
- No exposed electrical hazards.
- Only UL approved grounded power cords and/or surge protectors are allowed. (Cords are NOT provided, you need to bring your own)
- Batteries with open top cells (wet cell batteries) are not permitted.

2. Lasers and Rays:

- Any device (vacuum tubes, lasers, etc.) that generates dangerous rays must be properly shielded.
- Only Class I and Class II are the only type of lasers allowed to be operated at the fair and must be designed to prevent human access to the beam during operation.
 - The laser will be operated only by the exhibitor and will be disconnected when not being operated.
 - The display will bear the sign: **LASER RADIATION: DO NOT STARE INTO THE BEAM.**
- Class III or Class IV lasers are **NOT** allowed at the fair.

3. Biofuels

- Research involving biofuel/alcohol production must conform to the U.S. Department of the Treasury, Alcohol and Tobacco Trade Bureau regulations. Permits must be acquired prior to the production of any alcohol in the project. Regulations and permit applications may be found at the government website at:
<http://www.ttb.gov/forms/F511074.pdf>.
Copies of all permits must be present with the project. If you have any questions, you may call their offices at 888/882-3277 or 513/684-7150.

4. Chemicals

- Only chemicals listed in Appendix C, page 138-139 of the "Science Safety Handbook for California Public Schools" (current edition) may be used under the direct supervision of a qualified teacher/adviser.
- No projects that use a chemical with a hazard rating of five or with asterisks will be allowed to participate in the fair.

5. Projectiles:

- Projects that do not comply with current California Code sections (Penal and Health and Safety) will **NOT** be allowed in the fair. Examples include but are not limited to:
 - Sealed devices containing dry ice or other chemically reactive substances designed to produce an explosion by a chemical reaction,
 - Rocket-propelled projectile or similar device with an engine greater than 0.60 inch in diameter
- Projects involving the discharge of a single or multiple projectiles through mechanical, chemical or electromagnetic means may NOT be displayed at the Fair. Examples include but are not limited to:
 - Archery, tackle, airguns, firearms of any type, electromagnetic railguns, etc.

6. Fire regulations prohibit the use of highly flammable or combustible materials in project displays.

7. Glass of any type is not permitted at the fair (Due to safety hazards).

8. Liquid of any type is not permitted (Due to safety/spill hazards).

ALL DISPLAYS WILL BE INSPECTED FOR COMPLIANCE

Project Displays not complying with the RIMS Science & Engineering Fair Rules, Regulations, & Safety Rules will be disqualified and not displayed.