

Display and Safety Requirements

- ___ 1. **ABSTRACT** -- The Abstract *MUST BE* displayed on the front left wing of the backboard, in the lower left corner .. The abstract must be approximately 250 word~ or less written on the proper form.
- ___ 2. **SIZE OF DISPLAY** -- **NO** more than 48 inches (122 cm) wide, 48 inches (122 cm) high and 30 inches (76 cm) deep.
- ___ 3. **ORGANISMS** -- **NO** living creatures including animals, plants and .~. microbes (bacteria, algae, fungi, etc.) will be displayed. **NO** organisms, fungi, any type of cultured growth, spoiled food, or molds will be displayed. (This does not include wood and/or paper of which the project is constructed.) . .
- ___ 4., **PARTS** -- **NO** human or animal parts, histological sections, or wet mounts.
- ___ 5. **SPECIMENS** -- **NO** taxidermy specimens or parts and **NO** preserved animals, vertebrates or invertebrates, including embryos will be displayed. **No** dry plant materials may be displayed.
- ___ 6. **SENSITIVE PHOTOGRAPHS** - - **NO** visual presentations of surgical techniques, dissections, necroscopies and/or other laboratory techniques depicting vertebrate animals or humans in other than normal conditions. All pictures of human subjects must be accompanied by a consent form which grants permission to use the pictures.
- ___ 7. **SOIL/WASTE** - - **NO** soil or waste materials or samples may be displayed.
- ___ 8. **CHEMICAL~WATER** -- **NO** chemicals including water may be displayed. (Again the chemicals in the construction of the display are excluded.)
- ___ 9. **FOOD** -; **NO** human or animal food may be displayed.
- ___ 10. **SHARP ITEMS** -- **NO** syringes, needles, pipettes, or anything sharp may be displayed.

- ___ 11. CONTROLLED SUBSTANCES - - NO poisons , drugs, controlled substances, hazardous" substances, ,or devices, may be displayed. (Le. firearms, weapons, ammunitions, reloading devices)
- ___ 12. DRY ICE/GASES -- No dry ice or sublimating solids may be displayed. (Le., solids which vaporize into gas without passing into the *liquid* phase). NO gases under pressure.
- ___ 13. FIRE/HEAT -- NO flames or highly flammable materials may be displayed. NO temperatures above 75°.
- ___ 14. TANKS -- NO tanks that have contained combustible *liquids* or gases including butane and, propane may be displayed.
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- ___ 15. MACHINERY -- NO unshielded belts, pulleys, chains, or moving parts that pose hazards may be displayed.
- ___ 16. LASERS -- NO lasers which do not meet ISEF standards (Class II, student operated, with warning sign - LASER RADIATION: do not stare into beam, protective housing and power disconnect may be separated.) NO Class III or IV lasers may be operated.
- ___ 17. ELECTRICITY -- ALL ISEF standards must be observed. NO unshielded high-voltage equipment, large vacuum tubes, or ray-generating devices; NO bare wires or exposed knife switches used in circuits of 12 volts or more may be displayed. NO uninsulated wiring or connectors may be displayed.
- ___ 18. GLASS -- NO glass, glassware, or thermometers may be displayed. ___
- ___ 19. APPARATUS -- NO non-functional apparatus or chemical containers, empty or otherwise, may be displayed.
- ___ 20. BATTERIES --NO batteries with open top cells may be displayed.
- ___ 21. DISTRACTIONS - - NO loud or disturbing sounds may be produced by a project's equipment. NO bright or distractive lights.

- ___ 22. **SMALL OBJECTS - - NO** small objects that are not encased or attached to the project may be displayed.
- ___ 23. **EMBELLISHMENTS -- NO** awards, medals, business cards, flags, etc.
NO personal information may be displayed, (i.e. personal photographs, accomplishments, acknowledgements, addresses, phone or fax numbers.)
A one-page narrative may be handed out to judges.
- ___ 24. **PROJECT DATA BOOK - -** Data book and research paper must be displayed.