

# Region IX Greater New Orleans Science & Engineering Fair

## Safety & Display Requirements and Restrictions

### GNOSEF- MAXIMUM SIZE OF PROJECT

24 inches deep front to back

48 inches side to side

108 inches floor to top

Maximum project sizes include all project materials and supports. If the table is used, it becomes part of the project dimensions and the table plus all other parts of the project must not exceed the allowed dimensions. Any demonstration for judging or public must be performed within the allotted size of project permitted. No materials may be placed on the floor in front of a project located on the table.

### GNOSEF- ABSTRACT

The only abstract allowed anywhere at a project is the official ISEF abstract which must appear in front of the project. It may be placed in or on a frame (**NO GLASS**) in front of the project or laid flat on the table in front of the project (not attached to the project board). School name **MAY NOT APPEAR** on the abstract during GNOSEF.

### GNOSEF- NOT ALLOWED WITH DISPLAY

Note: In the case in which a project includes an item that is prohibited from display, please consider taking photographs and/or documenting the significance of the prohibited item through video.

### New ISEF Restrictions

- Personal items or packaging **materials stored underneath the table at the booth**
- 3D Printers** unless the power source is removed
- Items that may have contained or been in contact with hazardous chemicals
- Drones** or any flight-capable apparatus unless the propulsion power source removed
- Decorative lighting or illumination is discouraged. If used, lighting must be as low a voltage as possible and must be LED lighting that does not generate heat. Light bulbs are prohibited. When student is not at the exhibit, all electrical power must be disconnected, or power bars must be switched off. At GNOSEF, any project requiring electricity must request so at the time the project is registered for competition. Because of power limitations, we make every effort for these projects to be located as close to their respective categories as availability of an electrical source will allow, but it may be necessary to assign a place in a location where an electrical source is available
- Any reference (on display or in research paper) to an institution or mentor that supported the research except as provided in the official Intel ISEF Form 1C***

### OTHERS

- Glass/glass objects** and/or any other **sharp items or components**
- Product brand names or logos**
- Plant materials** (living, dead, preserved/dried plant materials) are not allowed. *Exception: construction materials used in building the project*
- All chemicals including water**
- Photographs of human participants** without proper release forms and citations
- Hazardous substances/devices**, for example, poisons, drugs, firearms, weapons, ammunition, reloading devices, or others deemed unsafe by Safety/Display judges
- Human/animal foods**
- Soil, sand, rock and/or waste samples** even if permanently encased in a slab of plastic, acrylic or other means
- Living or preserved organisms-** animals, plants or microbes including any taxidermy specimens/parts
- Human/animal parts/body fluids**, for example blood and urine, hair, fur, bones, etc
- Acknowledgment page** in the research paper or on board
- Photographs/visual presentations of vertebrate animals** undergoing surgical techniques, dissections, necropsies, or other lab procedures.
- Active Internet or e-mail connections** as part of displaying or operating the project are not allowed
- Awards, medals, business cards, flags, logos, endorsements, and/or acknowledgments** (graphic/written)
- Dry ice/sublimating solids**
- Flames/highly flammable materials**
- Batteries with open-top cells**

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- Any disks, CDs, printed materials**, etc. including unofficial abstracts designed to be distributed to judges/public
- Distracting project sounds, lights, odors, or any other distracting display items** in the opinion of the *Scientific Review or Safety Committee* are not allowed
- Inadequately insulated apparatus capable of producing dangerous temperatures are not permitted
- Any apparatus with belts, pulleys, chains, or moving parts with tension or pinch points that are not appropriately shielded
- Prior year project written material/visual depictions** on the vertical display board. *Exception: the project title may mention previous project investigations, for example, "Year Two of an Ongoing Study"*. Continuation projects must have the *Continuation Project Form (7)* vertically displayed.
- Names, postal addresses, Internet and e-mail addresses, telephone and fax numbers of Finalist, subjects or research associates
- Any items deemed unsafe by the Scientific Review or Safety/Display Committees are not allowed.***

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### **GNOSEF- ELECTRICAL REGULATIONS**

1. All regulations are subject to modification by the *Safety and Display Committee* with an on-site review of the project display given the electrical capacity of the exhibition hall.
2. Finalists requiring 120 or 220 Volt A.C. electrical circuits must provide a UL-listed **3-prong extension cord** which is appropriate for the load and equipment.
3. Electrical devices must be protectively enclosed. Any enclosure must be non-combustible. All external non-current carrying metal parts must be grounded.
4. 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 finalist. Exposed electrical equipment or metal that possibly may be energized must be shielded with a non-conducting material or with a grounded metal box to prevent accidental contact.
5. Decorative lighting or illumination is discouraged. If used, lighting must be as low a voltage as possible and must be LED lighting that does not generate heat. Light bulbs are prohibited. When student is not at the exhibit, all electrical power must be disconnected, or power bars must be switched off (Exception: during pre-judging audio visual displays may be available.)
6. An insulating grommet is required at the point where any wire or cable enters any enclosure.
7. No exposed live circuits over 36 volts are allowed.
8. There must be an accessible, clearly visible on/off switch or other means of quickly disconnecting from the 120 or 220 Volt power source.

### **GNOSEF- LASER REGULATIONS**

1. Lasers must be labeled by the manufacturer so that power output can be inspected. Lasers without labels will NOT be permitted.
2. LEDs that consume over 1 watt, unless they are in a commercial light bulb/ fixture or otherwise shielded, will not be allowed.
3. Handheld lasers are NOT permitted.
4. Lasers will be confiscated with no warning if not used in a safe manner.

### **GNOSEF- ALLOWED OR REQUIRED WITH DISPLAY**

#### **Forms required at all projects:**

1. An original **ISEF Official Abstract**
  - The abstract must be on the official ISEF Abstract form (Student name included, no school indicated.)
  - No other format or version of the Abstract will be allowed for any purpose. Abstract handouts to judges and to the public are limited to UNALTERED photocopies of the official abstract.
  - The term “abstract” may NOT be used as a title or reference for any information on a display or materials at the project except as part of displaying the official stamped/embossed abstract.
  - It is the recommendation of the Safety & Display Committee to NOT include the word “abstract” nor the abstract itself when preparing backboards or posters prior to the fair.
2. GNOSEF Project Set-up **Safety/Display Approval Form** (received on-site at the Fair during Safety/Display Judging)
  - This form documents the project as approved by the Safety/Display Review Committee when signed by Safety/Display Judge.
3. Regulated Research Institutional/Industrial Setting Form (1C) for projects conducted at any regulated research institution, industrial setting or work site other than home, school or field.
  - If work was conducted in a regulated research institution, industrial setting or any work site other than home, school or field at any time during the current Intel ISEF project year, the **Regulated Research Institutional/ Industrial Setting Form (1C)** must be completed and vertically displayed at the project booth.
  - The information provided by the mentor on Form 1C may be referenced to confirm that the information provided on the project board is that of the finalist. Only minimal reference to mentor’s or another researcher’s work is allowable and must only reflect background information or be used to clarify

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differences between finalist's and others' work.

### 2. Continuation/Research Progression Projects Form (7)

- If a study is a continuation/research progression, the Continuation/Research Progression Projects Form (7) must be completed and vertically displayed at the project booth.
- The display board and abstract must reflect only the current year's work. The project title displayed in the finalist's booth may mention years of continuing research (for example, "Year Two of an Ongoing Study").
- Reference to past work on the display board must be limited to summative past conclusory data and its comparison to the current year data set. No raw data from previous years may be publicly displayed; however, it may be included in the student research notebooks and/or logbooks if properly labeled.

## ALLOWED

### 1. Photographs and/or visual depictions if:

a. They are **not deemed offensive or inappropriate** by the *Scientific Review Committee*, the *Safety and Display Committee*, or *Science Service*. This includes, but is not limited to, visually offensive photographs/visual depictions of invertebrate or vertebrate animals, including humans.

b. They have credit lines of origin ("Photograph taken by..." or "Image taken from..."). If all photographs being displayed were taken by the Finalist or are from the same source, one credit line prominently and vertically displayed is sufficient. (Credit line should indicate "by participant, by finalist, etc. so as to not specifically identify project researcher by name.)

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 vertically displayed is sufficient.

d. They are **photographs or visual depictions of the Finalist** as long as the Finalist is not identified by name.

e. They are **photographs of human subjects for which signed consent forms** are at the project. (See item 5 below.) Photographs of human subjects should not indicate faces of subjects so that they can be identified.

2. **Audio-visual or multi-media presentations**, displayed on computer monitors; or other non-print presentation methods must be reviewed in their entirety by the Scientific Review Committee during Safety/Display judging at setup and approved at that time. Any additions/changes after safety judging could result in failure to qualify status.

3. Projects requiring **informed consent forms** must have previously submitted the *Human Subjects Form (4)* or an equivalent form provided by a regulated research institution *Form 1C* or, in the case of display of photographs only, an **equivalent photograph release signed** by the human subject to the GNOSEF SRC. If under 18, must also be signed by parent/guardian. These are not displayed with the project but must be submitted to GNOSEF for review.

4. A **project data book** is not required, but is recommended.

5. Student competitors must be present at their projects for the *Safety and Display* inspection unless otherwise confirmed by the fair directors.

## GNOSEF- SCIENCE SERVICE, the SCIENTIFIC REVIEW COMMITTEE, and/or the SAFETY AND DISPLAY COMMITTEE

- *GNOSEF Scientific Review Committee, and/or the Display and Safety Committee* reserve the right to remove any project or parts of a project for safety reasons or to protect the integrity of the GNOSEF and its rules and regulations.
- If a project fails to qualify and is not removed by the Finalist, *GNOSEF* will remove the project in the safest manner possible, but is not responsible for damage to the project.
- **No changes, modifications, or additions to projects by students or school personnel may be made after approval** by the *Safety and Display Committee and the Scientific Review Committee*. Changes, modifications, or additions to projects after the *Safety and Display Committee and the Scientific Review Committee* have approved a project may result in disqualification of the project.