

LOUISIANA SCIENCE AND ENGINEERING FAIR – March 23-25, 2015

Student and Project Information Form – **READ CAREFULLY**

Please print clearly and provide **1 copy**

****Teams must complete one form for each member and indicate team leader**

Check One: Junior Division (grades 6-8) Senior Division (grades 9-12)

Student's Name _____ Date of Birth _____ Grade _____

Team Project / Team Leader / Team Member Name(s): _____ / _____

Student's Phone _____ Student's Email _____

Student's Mailing Address _____ Region _____ Parish _____

School Name _____ check if home schooled

Project Name/Title _____

Category (check one):

- | | | |
|--|--|---|
| <input type="checkbox"/> Animal Sciences (AS) | <input type="checkbox"/> Behavioral and Social Sciences (BE) | <input type="checkbox"/> Biochemistry (BI) |
| <input type="checkbox"/> Cellular and Molecular Biology (CB) | <input type="checkbox"/> Chemistry (CH) | <input type="checkbox"/> Computer Science (CS) |
| <input type="checkbox"/> Earth and Planetary Science (EA) | <input type="checkbox"/> Engineering: Electrical and Mechanical (EE) | <input type="checkbox"/> Engineering: Materials & Bioengineering (EN) |
| <input type="checkbox"/> Energy and Transportation (ET) | <input type="checkbox"/> Environmental Management (EM) | <input type="checkbox"/> Environmental Sciences (EV) |
| <input type="checkbox"/> Mathematical Science (MA) | <input type="checkbox"/> Medicine and Health Sciences (ME) | <input type="checkbox"/> Microbiology (MI) |
| <input type="checkbox"/> Physics and Astronomy (PH) | <input type="checkbox"/> Plant Sciences (PS) | |

Disability Accommodation is requested. (circle one) Yes No

If yes, nature of the disability: _____

Registering For LSEF (March 23-25, 2015) - Complete this form, including the checklist below, and **turn 1 copy of all forms in to your region science fair coordinator/director**. Paper clip (do not staple) all of the items together, with this completed Registration Sheet on top. Forms should be **placed in the order shown below**. **Students must keep their original forms for fair day.**

- **Properly Dated and Signed** Louisiana Science Fair Instruction Sheet (this form)
- **Properly Dated and Signed** Checklist for Adult Sponsor (Form 1)
- **Research Plan** must be attached as noted from Form 1A
- **Signed** and properly dated Approval Form (Form 1B)
- **Official Abstract** as noted from Form 1A
- **Plus** - Additional forms as required depending on the project (see documents library at <http://www.societyforscience.org/isef/document>)

**** Failure to comply with ISEF rules in regards to properly dated forms and signatures may result in project disqualification by SRC**

COMPLETE ONLINE REGISTRATION

- You or your science fair coordinator **must also register each project online** at www.outreach.lsu.edu/lsef.
- **If you are a team project, please register your project only once under your team leader.**

Entry fee: Region VII Fair: \$25

Please check one of the following:

- I paid online at the time of registration.
- I am enclosing a check or money order made payable to LSEF.
- My school/region is paying for all students with one check.

PERMISSION TO PHOTOGRAPH Please check if you do **NOT** give your permission for this participant to be photographed/videotaped for instructional/publicity purposes.

Parent's Signature

Student's Signature

Date

Regional Directors, please mail or deliver all forms to: LSEF, LSU Continuing Education, 1225 Pleasant Hall, Baton Rouge, LA 70803

Welcome to the Louisiana Science & Engineering Fair
LSU Student Union - Royal Cotillion Ballroom
Junior Division - March 23-24, 2015 • Senior Division – March 24-25, 2015

JUNIOR DIVISION (Grades 6-8)

MONDAY & TUESDAY, MARCH 23 & 24, 2015

Monday, March 23

Project Setup/ Display & Safety - 4 – 8 p.m.

Tuesday, March 24

Students at Projects - 7:45 a.m.

Judging – Round 1 - 8-10:15

Break - 10:15 – 10:25

Judging – Round 2 - 10:25 – 12:30

Lunch - 12:30 – 1:15

Public Display - 1:15 – 2:15 p.m.

Display Removal - 2:15 – 2:30 p.m.

Awards - 2:30 – 3:30 (approximately)

SENIOR DIVISION (Grades 9-12)

TUESDAY & WEDNESDAY, MARCH 24 & 25, 2014

Tuesday, March 24

Project Setup/Display & Safety - 4 – 8 p.m.

Wednesday, March 25

Students at Projects - 7:45 a.m.

Judging – Round 1 - 8-10:15

Break - 10:15 – 10:25

Judging – Round 2 - 10:25 – 12:30

Lunch - 12:30 – 1:15

Public Display - 1:15 – 2:15 p.m.

Display Removal - 2:15 – 2:30 p.m.

Awards - 2:30 – 3:30 p.m. (approximately)

ISEF Selection Meeting – 3:30 – 4:00 p.m.

*Times subject to change

Check-In and Setup Instructions

1. **Find your project number** on the posted list.
2. **If your name is not highlighted** you may go to item #3 below.
 - **If your name is highlighted in pink, report to the Administration Table for fee clearance.** All payments must be made prior to project set-up. When fee information is in order, go to step #3 below.
 - **If your name is highlighted in yellow, report to the Administration Table to turn in required paperwork.** When required paperwork is in order, go to step #3 below.
3. Your name and project number will be on the card on your table. If your name was spelled incorrectly, please go to the Administration Table to have it corrected.
4. **Set your project up on the assigned space.** Judges should be able to see your project number. **Maximum project size: W 48" x D 30" x H *108" (Height must include table height, so board/project cannot exceed 74")**
5. Make sure your abstract is clearly displayed at the front of your table, or on the project. You should have a copy of your forms (Forms 1, 1A with Research Plan, 1B, etc. as appropriate) at your table with you, but they do not need to be displayed.
6. **Wait for a Display and Safety Committee member** to review your project and stamp your card. Committee members are wearing orange vests.
7. **You** are responsible for the security of your project items, including laptop computers and electronic equipment. Do not leave valuable items unattended.
8. Before leaving make sure the following are on your assigned space:

- ✓ Card marked **DISPLAY AND SAFETY APPROVED**
- ✓ **ABSTRACT** and all forms are clearly visible

9. **T-Shirts** – you will receive a free t-shirt when you arrive to set up. You may wear it during judging, if your school allows. After setup is complete, extra t-shirts may be available at the Administration Table for \$10.00.

10. **Return to the LSU Student Union and at your project by 7:45 a.m. on fair day.** You must be at your assigned space during each judging round. Failure to be present will result in a judge entering a score of 0.

11. **Projects are to remain in place until all judging is complete.** Note the schedule above for project removal time.

12. Lunch for students is 12:30pm – 1:15pm. You may eat in the Union or other locations on campus, here is a link to locations - <http://www.dineoncampus.com/lsu/show.cfm?cmd=menus> . *We encourage all large groups to have a parent or teacher purchase your meals ahead of time and have ready for you due to the short lunch period.*

Judging Criteria

Each project will receive a **maximum score of 10 out of 10** based on the following weighting:

Project Idea (20%)

Creative original self-motivated testable scientific question

Presenting and Framing of Study (20%)

Intuitive flow of information with primary sources and clear figures

Rigor of Scientific Method (30%)

Proper method with sufficient data and creative operational definitions

Interpretation of Results (30%)

Results test hypothesis with sophisticated analysis and subtle interpretation

Typical project ratings:

- 0 = atypically poor
- 3 = minimal but solid
- 7 = substantial & solid
- 10 = exceptional

Louisiana Science and Engineering Fair 2015 Display and Safety Regulations

CHECKLIST

Refer to 2015 ISEF Rules and Guidelines for details/specifics

The Display and Safety Committee (DSC) is the final authority on display and safety issues

- ❑ Maximum project size: W 48" x D 30" x H *108" (*Height must include table height, so board/project cannot exceed 74"*)

- ❑ **Items required to be displayed on project board or in front of project:**
 - ✓ Original of Official Abstract and Certification
 - ✓ Signed project set-up approval card (received on-site at the Fair; will be taped to table)
 - ✓ Photograph image credits, if appropriate

- ❑ **All forms are required to be at the project but not displayed, including, but not limited to:**
 - ✓ Checklist for Adult Sponsor (1)
 - ✓ Student Checklist (1A)
 - ✓ Research Plan, Approval Form (1B)
 - ✓ Human Participants Form (4)Forms must be available if requested by a judge or other fair official.

- ❑ **Items NOT allowed at the display:**
 - ✓ Living organisms, including plants
 - ✓ Soil, sand, rock and/or waste samples even if permanently encased in a slab of plastic
 - ✓ Taxidermy specimens or parts
 - ✓ Preserved vertebrate or invertebrate animals
 - ✓ Human or animal food
 - ✓ Human/animal parts or body fluids (for example, blood, urine)
 - ✓ 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)
 - ✓ All chemicals including water (Exceptions: water integral to an enclosed, sealed apparatus.)
 - ✓ All hazardous substances or devices [for example, poisons, drugs, firearms, weapons, ammunition, reloading devices, and lasers (as indicated in item 5 in the section of these rules entitled "Allowed at Project or in Booth BUT with the Restrictions Indicated")]
 - ✓ Dry ice or other sublimating solids
 - ✓ Sharp items (for example, syringes, needles, pipettes, knives)
 - ✓ Flames or highly flammable materials
 - ✓ Batteries with open-top cells
 - ✓ **Awards, medals, business cards, flags, logos, CD's, DVDs, flash drives, brochures, booklets, nor endorsements, and/or acknowledgments** (graphic or written) unless the item(s) are an integral part of the project (Exception: Intel ISEF medal(s) may be worn at all times.)
 - ✓ Photographs or other visual presentations depicting vertebrate animals in surgical techniques, dissections, necropsies, or other lab procedures
 - ✓ Postal addresses, world wide web and email addresses, telephone and fax numbers of Finalists
 - ✓ Active Internet or e-mail connections as part of displaying or operating the project at the Intel ISEF
 - ✓ Prior years' written material or visual depictions on the vertical display board. [Exception: the project title displayed in the Finalist's booth may mention years or which year the project is (for example, "Year Two of an Ongoing Study")]. Continuation projects must have the Continuation Project Form (7) vertically displayed.
 - ✓ 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)

- ✓ Any apparatus deemed unsafe by the Scientific Review Committee, the Display and Safety Committee, or Society for Science & the Public (for example, large vacuum tubes or dangerous ray-generating devices, empty tanks that previously contained combustible liquids or gases, pressurized tanks, etc.)
- ❑ **Items allowed BUT with restrictions:**
 - ✓ Any photograph/visual image/chart/table and/or graph **if:**
 - a. It is not deemed offensive or inappropriate by the Scientific Review Committee, the Display and Safety Committee, or Society for Science & the Public. This includes, but is not limited to, visually offensive photographs or visual depictions of invertebrate or vertebrate animals, including humans. The decision by any one of the groups mentioned above is final.
 - b. It has a credit line of origin ("Photograph taken by..." or "Image taken from..." or "Graph/chart/table taken from..."). (If all images being displayed were taken by the Finalist or are from the same source, one credit line prominently and vertically displayed is sufficient.)
 - c. It is from the Internet, magazines, newspapers, journals, etc., and credit lines are attached. (If all photographs, etc. are from the same source, one credit prominently and vertically displayed is sufficient.)
 - d. It is a photograph or visual depiction of the Finalist.
 - e. It is a photograph or visual depiction for which signed consent forms are at the project or in the booth.
 - ✓ Any apparatus with unshielded belts, pulleys, chains, or moving parts with tension or pinch points **if for display only and not operated.**
 - ✓ Any demonstration for judges or the public must be performed within the maximum size of the project permitted, an area 30"(Depth) by 48"(Width) by 74" (Height of table and board not to exceed 108")
 - ✓ Any apparatus producing temperatures that will cause physical burns if adequately insulated
 - ✓ The only items that may be displayed on the front of the provided tables are the forms listed in the section of these rules entitled "Required to be Visible and Vertically Displayed at the Intel ISEF"
- ❑ **Other requirements:**
 - ✓ Finalists must be present at their projects for the Display and Safety inspection. The inspection is a process that takes place between the Finalist and inspector; therefore, no other persons should be present representing the Finalist except for an interpreter if necessary.
 - ✓ Returning items that have been removed through a violation and/or adding items that are not permitted after final clearance by the Display and Safety Committee and the Scientific Review Committee is prohibited.
 - ✓ Society for Science & the Public, the Scientific Review Committee, and/or the Display and Safety Committee reserve the right to remove any project for safety reasons or to protect the integrity of the Intel ISEF and its rules and regulations.
 - ✓ A project data book and research paper are not required but are highly recommended.
 - ✓ *Display of photographs other than that of the finalist must have a photo release signed by the subject, and if under 18 years*
 - ✓ *of age, also by the guardian of the subject. Sample consent text: "I consent to the use of visual images (photos, videos, etc.) involving my participation/my child's participation in this research."*
 - ✓ **Finalists using audio-visual or multi-media presentations (for example, 35mm slides; videotapes; images, graphics, animations, etc., displayed on computer monitors; or other non-print presentation methods) must be prepared to show the entire presentation to the Display and Safety inspectors before the project is approved.**
 - ✓ If a project fails to qualify and is not removed by the Finalist, Society for Science & the Public will remove the project in the safest manner possible but is not responsible for damage to the project.
 - ✓ Any disks, CDs, printed materials, etc. (including unofficial abstracts) designed to be distributed to judges or the public will be confiscated by the Display and Safety Committee and will be discarded immediately.
 - 9. Project sounds, lights, odors, or any other display items must not be distracting.
 - ✓ No food or drinks, except small containers of bottled water for personal consumption, are allowed in the Exhibit Hall.

Regulations Regarding the Use of Electricity and Lasers

Electrical Regulations:

Students will be able to use their battery-powered laptops and other battery-powered equipment at the Region VII Fair and LSEF, as long as the item complies with safety regulations. However, 120 volt A.C. electricity in the exhibit hall will be **extremely limited**. If a student has a project that requires electricity from a source other than a battery, **you must contact LSEF 10 days prior to competition to request that your project be placed in an area with an outlet.**

1. Finalists requiring 120 or 220 Volt A.C. electrical circuits must provide a **UL-listed 3-wire extension cord** which is appropriate for the load and equipment.
2. Electrical power supplied to projects and, therefore, the maximums allowed for projects is **120 or 220 Volt, A.C., single phase, 60 cycle**. Maximum circuit amperage/wattage available is determined by the electrical circuit capacities of the exhibit hall and may be adjusted on-site by the Display and Safety Committee. For all electrical regulations, "**120 Volt A.C.**" or "**220 Volt A.C.**" is intended to encompass the corresponding range of voltage as supplied by the facility in which the Intel ISEF is being held.
3. All electrical work must conform to the National Electrical Code or exhibit hall regulations. The guidelines presented here are general ones, and other rules may apply to specific configurations. The on-site electrician may review electrical work on any project.
4. All electrical connectors, wiring, switches, extension cords, fuses, etc. 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 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. Wiring not part of a commercially available **UL-listed** appliance or piece of equipment must have a clearly visible fuse or circuit breaker on the supply side of the power source and prior to any project equipment.
6. There must be an accessible, clearly visible on/off switch or other means of disconnect from the **120 or 220 Volt** power source.
7. Any lighting that generates considerable and excessive amounts of heat (high-intensity lamps, halogen lights, etc.) must be turned off when the Finalist is not present.
8. Class II lasers **if**:
 - a. The output energy is <1 mW and is operated only by the Finalist
 - b. Operated only during the Display and Safety inspection and during judging
 - c. Labeled with a sign reading "**Laser Radiation: Do Not Look into Beam**"
 - d. Enclosed in protective housing that prevents physical and visual access to beam
 - e. Disconnected when not operating

Note: Class II lasers are found in laser pointers and in aiming and range-finding devices. They pose a risk if the beam is directly viewed over a long period of time.
9. Class III and IV lasers if for display only and not operated (*See the description of Class III and Class IV lasers in the Radiation section of the Hazardous Chemicals, Activities, or Devices.*)

SCIENCE FAIR – LSU Union. Royal Cotillion Ballroom

Getting to LSU Campus and Student Union

From I-10, take Dalrymple Exit 156B. Turn right at the bottom of the ramp & follow Dalrymple onto campus. The 4th traffic signal is Highland Road. Cross Highland Road & turn left onto Tower Drive just before the access gate. Follow curve to the left. The Union will be on your right at the corner of Raphael Semmes & Highland Road. You may only drop off your student & project in front of the Union; if you need to park you will have to move your vehicle to an approved parking area (see Parking).

Alternative Drop Off: You may use the Evangeline Circle directly across Highland Road from the Union. Drop off only, no parking. The Royal Cotillion Ballroom #250 is located on the 2nd floor.

Parking

The metered parking on campus is primarily suggested for visitors. All metered spaces are in effect and should be paid from 7 AM to 10 PM weekdays. The cost for metered parking is \$1.50 per hour. Metered spaces are numbered. When parking, note your space number and pay at any designated station. LSU Parking - <https://sites01.lsu.edu/wp/parking/visitors/>

Towing will be enforced for those parked on the grass, fire zones, handicapped, reserved spaces & travel lanes.

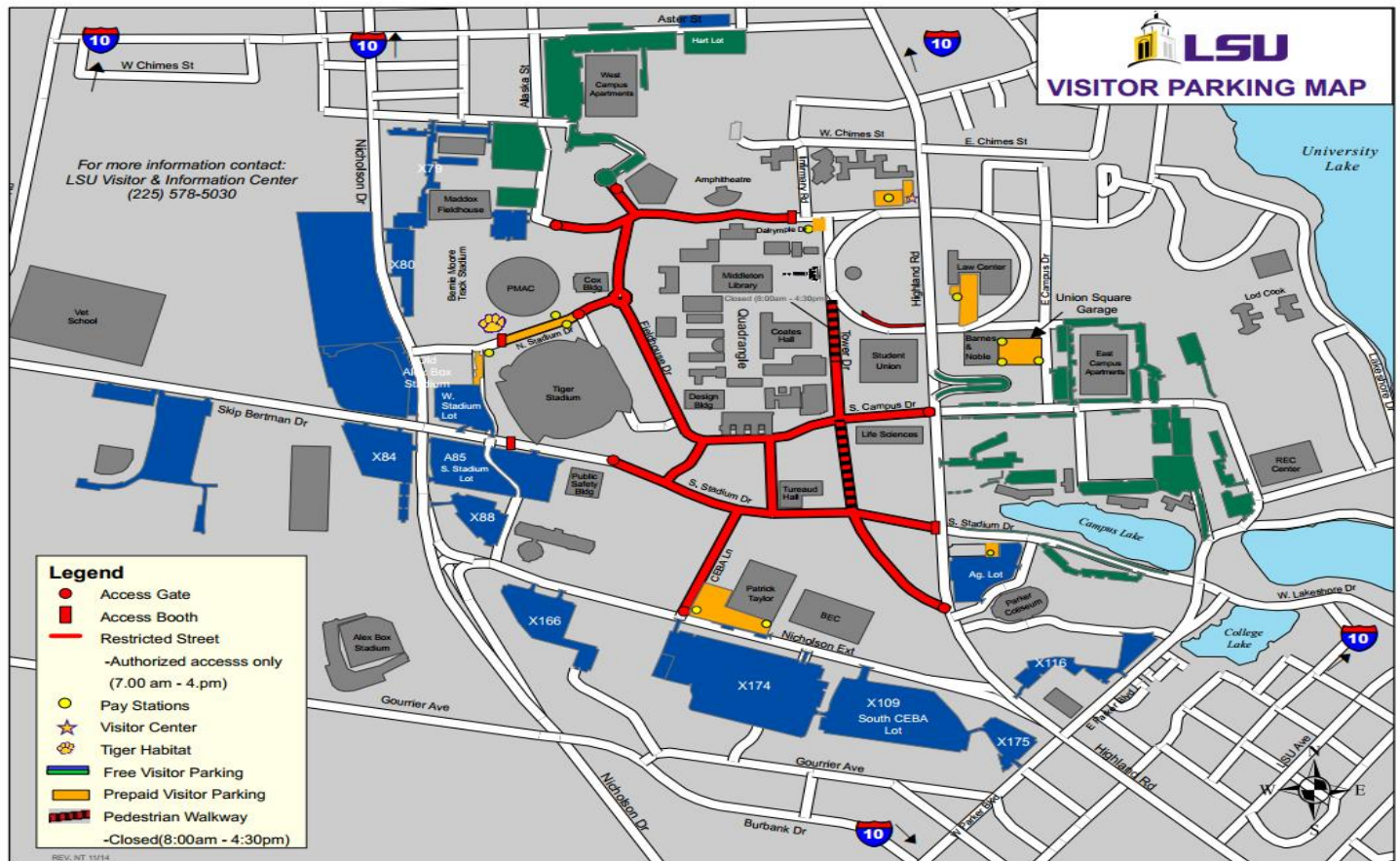
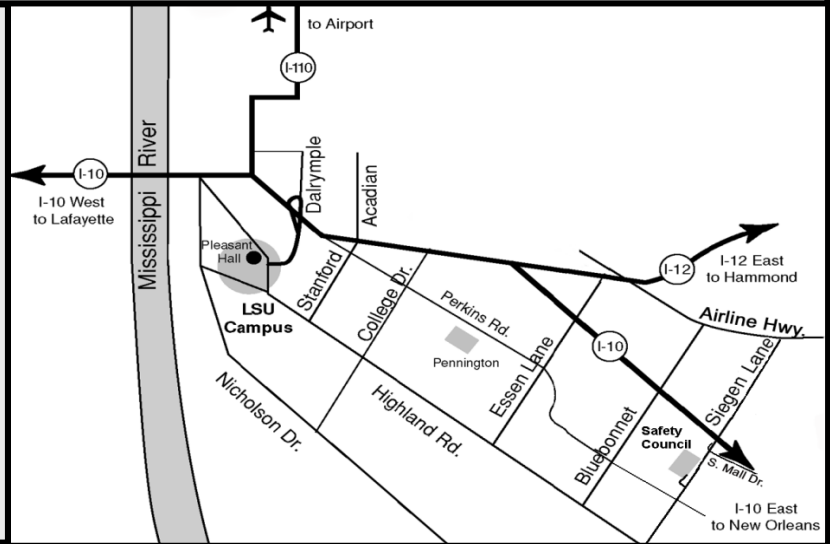
NOTE: Streets within the interior of the campus are closed to the public Monday – Friday, 7 am – 4:30 pm.

The Visitor's Center is open Monday-Friday, 7 am – 7 pm, and can provide parking information and campus maps.

Science and Engineering Fair: 225-578-1067

LSU Visitor's Center: 225-578-5030

LSU Continuing Education: 225-578-2500



1) Agriculture Administration	7) Faculty Club	13) J.C. Miller Hall	19) La. Emerging Tech.	24) Pleasant Hall,
2) Allen Hall	8) Fieldhouse	14) Lab School	20) LSU Union	Visitor Center
3) Art Building	9) Foster Hall	15) Law Center	21) Middleton Library	25) Prescott Hall
4) Choppin Hall	10) Gym Armory	16) Life Sciences	22) New Design Bldg	26) Sturgis Hall
5) Coates Hall	11) Hart Parking Lot	17) Lockett Hall	23) Patrick F. Taylor Hall	27) Tureaud Hall
6) E. B. Doran	12) Human Ecology	18) Lod Cook Conference	(formerly CEBA)	

LSU | Continuing Education

SCIENCE FAIR

Please display this on the right (passenger) side on the dashboard when parking on campus in one of the visitor/commuter lots indicated on the map.