

**REGION VIII SCIENCE FAIR**

**LOCATION**: **University Center (Plaza Level)**

800 W. University Ave., Hammond

# Livingston, St. Helena, St. Tammany, Tangipahoa,

# and Washington Parishes, and the City of Bogalusa

**Junior and Senior Division (grades 6 through 12)**

**Friday**, **January 27, 2017**

Set-up time: 7:45-8:45

**Judging: 9:00-12:30**

Public Showing of Exhibits: 12:30-1:30

Awards Program: 1:45

**Deadline for Entries:** register online AND postmark mail-in package by

**Wednesday**, **January 11, 2017
($25 Late Fee Applied Jan. 12th)**

Dr. Michaelyn Broussard, Director

Region VIII Science Fair

Southeastern Louisiana University

E-mail: mbroussard@selu.edu

**ENTRY CATEGORY**

 **JUNIOR DIVISION (Grades 6-8) SENIOR DIVISION (Grades 9 - 12)**

Class 15 – Animal Science

Class 16 – Behavioral & Social Sciences

Class 17 – Biochemistry

Class 18 – Biomedical & Health Sciences

Class 19 – Cellular & Molecular Biology

Class 20 – Chemistry

Class 21 – Computer Science

Class 22 – Earth & Environmental Science

Class 23 – Energy (Chemical & Physical)

Class 24 - Engineering Mechanics

Class 25 - Mathematical Sciences

Class 26 - Microbiology

Class 27 - Physics & Astronomy

Class 28 - Plant Sciences

Class 1 – Animal Sciences

Class 2 – Behavioral & Social Sciences

Class 3 – Biochemistry

Class 4 – Biomedical & Health Sciences

Class 5 – Cellular & Molecular Biology

Class 6 – Chemistry

Class 7 – Computer Science

Class 8 – Earth & Environmental Science

Class 9 – Energy (Chemical & Physical)

Class 10 - Engineering Mechanics

Class 11 - Mathematical Sciences

Class 12 - Microbiology

Class 13 - Physics & Astronomy

Class 14 - Plant Sciences

\*\* entry category **MUST** match abstract & judging forms – have **SIGNATURES** and **CORRECT** DATES (**B1 form**)

**Junior-Senior Division Entry Guidelines for Teachers/Advisors:**

**Deadline**: online AND mail-in (postmark) entries by **Wednesday, Jan. 11, 2017**

**Fees**: **$25 per student** (team projects = $50-$75, 2-3 students per team)

* one check for ALL entries (NO CASH)
* $25 late fee per school (not student) on entries after postmark deadline
* checks payable to **Region VIII Science Fair**

**Entries**: 25 entries PER school (limit 4 entries per class/category)

**How to complete ONLINE and MAIL-IN Packets:**

1. Teachers/Advisors **MUST** enter each student in the **ONLINE REGISTRATION.**
	1. Do not allow students to enter themselves.
	2. Online registration and judging form MUST match categories.
	3. Include the school’s name, the student’s name (all if team project), grade level, project title, and class/category number.
2. Team Projects
	1. Team projects need only one **judging form** with **all** student names on it.
	2. 2-3 students per team, entry fee is **$25 per** student, not project.
3. Preparing Abstracts: Maximum of 250 words, single-spaced. The entire abstract must be placed within the block given on the Abstract Form. The abstract should include: purpose of the experiment, procedures used, data, and conclusions. It may also include any possible research applications. An abstract should not include: acknowledgement or work/procedures done by the mentor.
	1. The **original** abstract form must be present with each exhibit at the regional and state science fairs.
	2. A **copy of the abstract** should be included in the mail-in packet.

\*\*Note – the official abstract form from ISEF is used, but Region VIII does not have an official stamp, so NO embossed stamp.

1. **FORMS:** All participants must have the following forms **with proper signatures** at their projects:
	1. Research Plan **Form (1A)** or Research Plan **Form (1A) - TEAM**
	2. Approval **Form (1B) – DATE PRIOR TO START of RESEARCH**
	3. Checklist for Adult Sponsor /Safety Assessment **Form (1)**
	4. Original **Abstract** Form

**SPECIAL FORMS:** Any project involving humans must be approved by the local school’s Institutional Review Board (IRB). This committee must sign **Form (4)**. Also, each school is to have a local Science Review Committee, if any project involves human subjects or vertebrate animals. This committee chairperson must sign **Form (1B).**

**Do not mail these forms with the entry package** - **bring them on the day of the fair and secure a signature from the Safety Regulations Committee**.

It is strongly suggested not to use vertebrate animals in the research unless your school is easily able to form the proper review board and comply with the extra regulations and paperwork. Invertebrate organisms are an excellent substitute.

1. **MAIL-IN Packet** should include:
	1. A judging form per project with signatures – only fill in **top** portion.
	2. Typed abstract form per project with signatures.

 (For each project, staple or paperclip the judging form to the abstract)

* 1. **Mail to:** Southeastern Louisiana University

Department of Biological Sciences – SLU 10736

Region VIII Science Fair

Attn: Dr.Jen Peak, Assistant Director

Hammond, LA 70402

*Region VIII coordinators reserve the right to change the title/Judging form* *of a project, if the abstract indicates that the project is not entered in the most appropriate class/category.*

\*\*\*contact Dr. Jennifer Peak (jpeak@selu.edu) with concerns about registration, payment, and # of entries

\*\*\* contact Dr. Michaelyn Broussard (mbroussard@selu.edu) with any other concerns

**Project Displays:**

**Size Limits**: 48” wide by 30” deep by 108” high from the floor

1. Safety: Exhibits in compliance with Intel ISEF Display and Safety Regulations (ISEF – International Science and Engineering Fair). The ISEF rule booklet is mailed to the schools by the State Science Fair, and available on the Region VIII Science Fair web page (<http://www.selu.edu/acad_research/colleges/sci_tech/sci_fair/index.html>). Pay particular attention if students are conducting research on vertebrate animals and if they are bringing any “props” to the fair. Many items are **prohibited** and may result in disqualification. Safety always comes first!

**CHECKLIST for PROJECT BOARDS and DISPLAYS**

Refer to 2016 ISEF Rules and Guidelines for details/specifics – see webpage for links to ISEF

**Display & Safety Committee is the final authority on display and safety issues**

􀂉 Maximum project size: W 48’’ x D 30” x H 108”

***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)

􀀹 Photographs or other visual presentations depicting vertebrate animals in surgical

techniques, dissections, necropsies, or other lab procedures

􀀹 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

􀀹 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.)

􀀹 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 ofthe project (Exception: Intel ISEF medal(s) may be worn at all times.)

􀀹 Postal addresses, world wide web, email addresses, telephone & 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.

***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 ofvisual 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.

Project sounds, lights, odors, or any other display items must not be distracting.

*Note: You should review ALL ISEF rules since each category has their own set of restriction/guidelines (*https://student.societyforscience.org/international-rules-pre-college-science-research*).*

**Student/Visitor Conduct**

1. Students must set up their exhibits by 8:45 AM. Judging will begin at 9 AM. Students must remain with their project until released by the Science Fair Director. Please note that more than 1 set of judges may visit a particular project in order to determine tie-breakers, special awards, and overall awards.
2. Only exhibitors and judges are allowed on the Plaza Level during judging. Seats are available nearby for family and teachers – **MAKE PLANS** on how to meet up with your students after judging. Cameras and video cameras are not allowed during judging. Violation of this rule may cause the disqualification of a participant.
3. Students not displaying proper conduct will be automatically disqualified.
4. Judges’ decisions are FINAL. Any issues must be brought forward to the director by the exhibitor’s teacher, not by parents.

**Awards**:

1. Winners will be announced during an awards ceremony at the University Center (approximately 2-3 p.m.).
2. Judges will determine 1st and 2nd place winners in each class with projects worthy of advancing to state. **Not every class will have projects placing.**
3. Although Region VIII is affiliated with ISEF, we are **NOT** able to send our Overall Winner to ISEF due to budget constraints.

**State**: Students that qualify for State Science Fair (1st and 2nd Place Winners) will need to register on-line for the State Science Fair. Check <https://is.lsu.edu/newDOCE/LSEF/State.asp> for the most up-to-date information.

Although reasonable care will be provided for the protection of each exhibit, neither the Region VIII Science Fair Committee nor cooperating groups assume responsibility for loss or damage to the property of the exhibitor.