



**Los Angeles County  
Office of Education**

**URGENT  
BULLETIN # 6620**

**URGENT BULLETIN**

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Debra Duardo, M.S.W., Ed.D., *Superintendent*

November 30, 2022

**TO:** Directors of Curriculum and Instruction  
Principals of Middle and High Schools  
Science and Mathematics Department Chairs  
Los Angeles County School Districts

**FROM:** Ruben Valles, Chief Academic Officer  
Educational Services

Danielle Mitchell, Director III  
Division of Curriculum and Instructional Services

Anthony Quan, Coordinator III, STEM Science  
Division of Curriculum and Instructional Services

**SUBJECT:** 73<sup>rd</sup> Annual Los Angeles County Science & Engineering  
Fair Grades 6 through 12

The 73<sup>rd</sup> Annual Los Angeles County Science & Engineering Fair will be held **in-person** at the Shrine Expo Center at 665 W. Jefferson Blvd, Los Angeles, CA 90007 on March 12-13, 2023. The Science Fair website at <http://lascifair.org> provides all the essential information and resources needed by teachers and students. Each participating school may submit thirteen projects, 3 of which may be a “team project” of 2-3 students.

**Important Information:**

An Enrollment Fee of \$300.00 will be assessed per middle school. High schools will be assessed based on the number of projects sent. Home schools are \$50.00 per entry. **20% “Early Bird” discount is given if enrollment fees are received by October 31, 2022. A 10% “Advanced” discount is given if enrollment fees are postmarked by November 30, 2022.** Fee Waivers are available as well. All Fee Waiver documents must be submitted by January 23<sup>rd</sup>, 2023 to be eligible. No Fee Waivers will be accepted after this date. The Enrollment Fee/Waiver Form is available for download from the website and must accompany payment before February 28, 2023 or a late fee of \$100.00 will be assessed.

School Enrollment is currently available online. Site Coordinators must view a Site Coordinator 101 Power Point and complete a Google Form before the school can be enrolled. The Site Coordinator 101 Power Point and other Enrollment information are available on the website.

All student projects must submit a virtual submission by **11:59 PM on Wednesday, March 1, 2023**, in addition to a physical submission on **Sunday, March 12, 2023**, otherwise the projects will not be accepted for entrance into the Science Fair. *Please note: A virtual submission must include a 3-minute video, a Science Project report, and pictures or pdfs of original data pages from the logbook. A physical submission must include a physical display board along with the original logbook and a Science Project report.*

All Categorical Judging will take place on Monday, March 13, 2022. More detailed information with specific schedules and procedures will be given to students and site coordinators prior to the Fair.

In lieu of the traditional Awards' Ceremony, awards will be announced via a Virtual Awards' Ceremony and all awards will be mailed to each school to be distributed by each school's Site Coordinator.

An informational padlet of information and resources shared during our August/September Teacher Workshops is on our website.

All students are required to register online for the Science Fair. Online registration procedures are included in the Site Coordinator information packet, to be emailed in January 2023. The student online registration will be open until **February 6, 2023**. No late registrations will be accepted under any circumstances.

Following are Important Dates and Deadlines applicable to all participants in the 73<sup>rd</sup> Annual Los Angeles County Science & Engineering Fair and a listing of all the potential Special Awards complete with organizations, criteria, and awards for this year.

**Important Reminder:**

Any student who plans a project involving tissues/cell lines, human subjects (including surveys), vertebrate animals, hazardous materials (including lasers), or microbes must receive pre-approval by the Los Angeles County Science & Engineering Fair Scientific Review Committee (SRC) ***prior to beginning research on any project destined for the Fair.*** Some projects require pre-approval before students can begin experimentation. Information regarding applying for Pre-Approval is available on the website. ***Any project in which research or experimentation is begun before pre-approval is received, will not be allowed into the Los Angeles County Science & Engineering Fair.***

# 73<sup>rd</sup> Annual Los Angeles County Science & Engineering Fair

## 2022-2023 IMPORTANT DATES AND DEADLINES



|                   |   |
|-------------------|---|
| August 22, 2022   | <b>School and Site Coordinator Enrollment opens; Complete online enrollment and send in payment.</b>  |
| Sept 12, 2022     | <b>DEADLINE for Early SRC* Submission</b> for proposed Student Experimentation/Research<br><i>Note: this is the <b>FIRST</b> opportunity for students to submit a proposal.</i>   |
| Sept 26, 2022     | <b>Notification</b> available to St and SC regarding approval/disapproval of <u>Early</u> Research Plans.   |
| October 24, 2022  | <b>DEADLINE for SRC* Submission</b> for proposed Student Experimentation/Research<br><i>Note: this is the <b>LAST</b> opportunity for students to submit a proposal.</i>  |
| October 31, 2022  | <b>DEADLINE FOR EARLY-BIRD SCHOOL ENROLLMENT FEE PAYMENT POSTMARK**</b> 20% discount<br><b>Can also pay via PayPal from our website</b>   |
| November 7, 2022  | <b>Notification</b> available to St and SC regarding approval/disapproval of Research Plans.  |
| November 28, 2022 | <b>Final Deadline</b> for <b>Re-SUBMISSION</b> of Revised Student Experimentation/Research Plan<br><i>Note: this is for projects that were not approved on a prior submittal, <b>no new submissions</b> accepted- students may only re-submit their Research Plans once</i> |
| November 30, 2022 | <b>DEADLINE FOR ADVANCED SCHOOL ENROLLMENT FEE PAYMENT POSTMARK**</b> 10% discount<br><b>Can also pay via PayPal from our website</b>   |
| December 12, 2022 | <b>Notification</b> available to St and SC regarding approval/disapproval of <u>Revised</u> Research Plans  |
| December 19, 2022 | <b>STUDENT/PROJECT ON-LINE REGISTRATION OPENS</b>   |
| January 9, 2023   | <b>Deadline</b> for any <b>CHANGES</b> in procedure or protocol for <b>PREVIOUSLY-APPROVED</b> Research Plans<br>(Not applicable to all students.)  |
| January 13, 2023  | <b>Notification</b> available to St and SC regarding approval/disapproval to Research Plan changes.   |
| January 23, 2023  | <b>School Online Enrollment Closes / All Fee Waiver Forms due</b>   |
| February 6, 2023  | <b>Student/ Project Online Registration Closes</b> (Schools must have already enrolled.)<br><i>Note: SRC Project Approval does NOT mean you are registered.</i>   |
| February 8, 2023  | <b>DEADLINE for Site Coordinator to approve of students representing school</b>   |
| February 28, 2023 | <b>Final Deadline - School Enrollment Fee</b> Payment must be postmarked by February 28, 2023.  |
| March 1, 2023     | <b>All Project reports, pictures of logbook pages, &amp; videos due by 11:59pm</b>  |

- **St** → **Student** / **SC** → **Site Coordinator**; this is the **one** contact person that LACSEF will have with your school
- **SRC**→ **Science Review Committee**; this is a trained group of adults that make sure that students experimentation / research falls within the California Ed. Code and expected safety guidelines.
- **\*SRC Approval** must be attained by students doing experiments involving tissues/cell lines, human subjects, vertebrate animals, hazardous materials and/or microbes.
- **\*\*Participation Fees**: (A 20% discount is given if payment is postmarked by October 31, 2022 or a 10% discount is given if payment is postmarked by November 30, 2022.)
  - Mail to: 1107 Fair Oaks Ave. #94 South Pasadena CA 91030-3133

# Special Awards

*The following Special Awards will be presented at the Awards Ceremony if their criteria are met.*

| <b>Organization</b>                                      | <b>Name of Award</b>   | <b>Criteria</b>   | <b>Prize</b>  |
|--|--|---|---|
| American Meteorological Society                          | Certificate of Outstanding Achievement for Ability and Creativity in an Atmospheric Science Exhibit                            | <b>Grades 6-12.</b> Project showing excellence in atmospheric & related oceanic & hydrologic sciences   | Certificate & invitation to LA-AMS Annual Banquet                                       |
| American Psychological Association                       | Certificate of Award for Achievement in Research in Psychological Association  | <b>Grades 6-12.</b> Best psychology-related project. Behavioral & Social Sciences / Animal Sciences / Biochemistry / Computer Sciences / Environmental Sciences / Math / Medicine & Health Sciences                           | Certificate   |
| American Vacuum Society                                  | Excellence in Vacuum or Surface Chemistry  | <b>Grades 6-12.</b> Projects related to vacuums, thin films, or surface chemistry.  | Cash Award  |
| Association for Women Geoscientists                      | Student Awards for Geoscience Excellence   | <b>Female students only; Grades 6-12.</b> Projects that increase public awareness of geosciences, illustrate the interdisciplinary nature of the geosciences, or promote the sensitivity to the Earth as a global system.     | Certificate   |
| ASM Materials Education Foundation                       | Most Outstanding Exhibit in Materials Science Award  | <b>Grades 6-12.</b> Best materials engineering project.   | Certificate & Ribbon  |
| Broadcom   | Broadcom Finalist  | <b>Grades 6-8.</b> Top 10% of all Junior Projects   | Certificate + Eligibility to enter Broadcom MASTERS competition                         |
| California Association of Professional Scientists (CAPS) | CAPS Outstanding Young Scientist Award   | <b>Grades 7-11.</b> For the project best illustrating good scientific methodology in a discipline represented by members of CAPS, including physics, chemistry, biological & environmental science, toxics & energy resources | Certificate, \$100, & Eligibility to compete for CAPS Outstanding Young Scientist Award |
| The Cheryl Saban Self-Worth Foundation for Women & Girls | The Cheryl Saban Self-Worth Foundation Scholar Prize   | <b>Grades 6-12.</b> Top projects by female scholar with a focus on providing a positive impact to her community.  | Cash Award + Crystal Award  |
| The David Park Foundation for Innovation & Technology    | The David Park Foundation Scholar Award  | <b>Grades 9-12.</b> Most outstanding projects related to innovation & technology  | Cash Awards   |
| Department of Defense                                    | DoD STEM Leadership Prize  | <b>Grades 6-8.</b> Excellence in STEM, as well as the problem-solving skills and determination to overcome challenges throughout the research project.  | Certificate & \$100   |
| Greater Los Angeles Teachers Science Association         | Darrell Smedley Award  | <b>Grades 6-12.</b> "I Did It Myself"--An exemplary project completed entirely by a student with no assistance from parents, teachers, other adults or peers.   | Plaque & \$100  |
| ICP DAS USA, Inc.  | Southern California Social Impact Award  | <b>Grades 6-12.</b> Best new innovations carefully crafted, researched, built, and experimented to help better the environment and quality of life on the planet.   | Cash Award  |
| The Lemelson Foundation                                  | The Lemelson Early Inventory Prize   | <b>Grades 6-8.</b> Problem-solving, empathy, entrepreneurial, and environmentally-responsible invention.  | Certificate & \$100   |
| MU Alpha Theta   | Mu Alpha Theta Award for the most challenging, original, thorough, & creative investigation of a problem involving mathematics | <b>9th - 12th Grade Student Only.</b> Most outstanding project exhibiting in the area of mathematics.   | Certificate   |
| National Aeronautics & Space Administration              | NASA Earth System Science Award  | <b>Grades 6-12.</b> Project that offers greatest insight into Earth's Interconnected Systems and demonstrates excellence in inquiry.  | Certificate   |
| National Geographic Society                              | That's Geography! – Cultivating Empathy for the Earth Award  | <b>Grades 9-12.</b> Project seeking solutions to the Earth's most pressing challenges   | \$100 Award and Certificate   |

| <b>Organization</b>                                      | <b>Name of Award</b>  | <b>Criteria</b>  | <b>Prize</b>  |
|--|---|--|---|
| National Oceanic and Atmospheric Administration          | NOAA's Taking the Pulse of the Planet Award - for presenting research that demonstrates the Principles & Technical Innovations that offer the greatest potential for an improved understanding of Earth's dynamic processes | <b>Grades 6-12.</b> Best project related to understanding and predicting changes in climate, weather, oceans, and coasts. Conserving and managing coastal and marine ecosystems.   | Letter & Certificate  |
| Nuclear Society  | Nuclear Society Award   | <b>Grades 6-12.</b> Best project representing a field of nuclear science, nuclear technology, nuclear medicine, nuclear engineering, radiation, or health physics.   | Cash Award  |
| Office of Naval Research (U.S. Navy / U.S. Marine Corps) | The Office of Naval Research Naval Science Award  | <b>Grades 6-12.</b> Any project which shows excellence in science or engineering. <b>No Team Projects!</b>   | Jr. Certificate & Medal Sr. Certificate, Medal, & \$50  |
| Professional Engineers in California Government          | Honorable Mentions Marilyn Jorgenson-Reese Award for Excellence<br>James E. Roberts Award for Excellence  | <b>Grades 6-12.</b> Best engineering related projects  | Gift Card & Honorable Mention Medal, Cash Awards  |
| Regeneron Science Talent Search                          | Invitation to Compete in the Intel Science Talent Search  | <b>Grades 9-12.</b> Excellence in Science  | Invitation to Enter Contest   |
| Ricoh USA, Inc.  | Ricoh Sustainable Development Award   | <b>Grades 6-12.</b> For presenting research that demonstrates the Principles & Technical Innovations that offer the greatest potential for Sustainable Development   | Certificate   |
| The Scientist  | Outstanding Achievement in Exploring Life and Inspiring Innovation  | <b>Grades 9-12.</b> Achievement in exploring science and inspiring innovations for the future Life Science community.  | Certificate, \$100, and subscription to The Scientist magazine  |
| Society of Petroleum Engineers - LA Section              | Award for any project that demonstrates a principle of energy, fluid and gas production & handling, or other technologies or science related to the Petroleum industry  | <b>Grades 6-12.</b> Energy, fluid and gas production and handling, or other technologies or science related to the Petroleum industry.   | Letter, Certificate, & \$100  |
| Society for In Vitro Biology                             | Society for In Vitro Biology Award  | <b>11th Grade Student Only.</b> Most outstanding project exhibiting in the areas of plant or animal invitro (artificial environment) biology or tissue culture.  | Certificate   |
| South Bay Business Environmental Coalition               | South Bay Business Environmental Coalition Award for Innovation in Sustainability   | <b>Grades 6-12.</b> Best project related to the SBEC's mission of promoting sustainable environmental practices within the realm of business   | Gift Card   |
| Southern California Paleontological Society              | Southern California Paleontological Society Award for Academic Excellence   | <b>Grades 6-12.</b> Best project related to paleontology or geology, earth science, paleobiology, or similar categories  | Cash Prize, Certificate, Possibility of Publication in Society's Journal, 1-yr honorary membership to society, Tour of La Brea Tar Pits |
| Stockholm Junior Water Prize                             | Regional Water Prize Award - Award of Excellence for a Water-Related Science Research Project   | <b>Grades 9-12 only.</b> Outstanding water-related research at the high school level which focuses on relevance in terms of science, the environment, & society, creativity of the project, methodology, subject knowledge, practical skills, & report & presentation. | Certificate + Nomination to State SJWP Competition  |
| UCLA Brain Research Institute                            | Award - for outstanding projects related to Neuroscience  | <b>Grades 6-12.</b> For outstanding projects related to Neuroscience   | Gift Card & Certificate   |
| U.S. Agency for International Development (USAID)        | Science Champion Award  | <b>Grades 6-12.</b> Scientific excellence and using science innovatively to create a potential solution to international development challenges.   | Certificate   |
| U.S. Air Force   | The U.S. Air Force Science Award  | <b>Grades 9-12.</b> Projects exemplifying STEM-related research  | Certificate   |
| U.S. Metric Association                                  | U.S. Metric Association Award for the best use of SI Units in a Science Fair Project  | <b>Grades 9-12 only.</b> Any project which involves measures and expresses those measures consistently and correctly in SI metric units; A project in which the measures were integrally important to the research.  | Certificate   |
| Yale Science and Engineering Association                 | Most Outstanding Exhibit  | <b>Grade 11 only.</b> Outstanding Exhibit in Computer Science, Engineering, Physics, or Chemistry  | Certificate & Medallion   |