



Delano Union School District
Rosalina C. Rivera, Superintendent
Rosa A. Montes, Asst. Superintendent of Ed. Services



District Science Fair

To Principals, Vice Principals, Resource Teachers, and Science Fair Coaches:

The Delano Union School District Science Fair will be held on **Thursday, January 16, 2020** at the Almond Tree Middle School Gym. Check-in begins at 1:30 p.m. and judging starts at 2:00 p.m. The awards ceremony is scheduled to begin at 4:30 p.m. and we expect to finish by 5:30 p.m.

The First and Second Place winners from each grade level will advance to the Kern County Regional Science Fair on Tuesday, March 17, 2020 at the Rabobank Convention Center in Bakersfield.

We will be using the KCSOS rules/judging criteria for our District Science Fair. Each school may send 10 projects per grade level (4th-8th grade). Students in 4th-5th grade may only complete individual projects. Students in 6th-8th grade may complete projects in teams of 3 or less.

Projects should:

1. Be investigations with a clear hypothesis based on research, reading and/or observation (not a collection or demonstration)
2. Include an execution of the experiment (a procedure which tests the hypothesis a sufficient number of times to get reliable results)
3. Have a Log Book with recorded results (handwritten notes with times and dates of what the student has done)
4. Show usage of the appropriate apparatus
5. Explain/show analyzed data
6. Develop conclusions
7. Suggest further hypotheses and experiments

Only sites that send a coach to one of the KCSOS Science Fair Coach Workshops may enter Restricted Projects in the District Science Fair. All Science Fair Coaches should plan to attend one of the workshops. Coach workshops will be held on Thursday, September 12, 2019 and Wednesday, October 9, 2019 from 4:00 – 5:30 p.m. at:
9/12/19 - CITY CENTRE, Rm. 1B, 1300 17th St, Bakersfield
10/9/19 - Larry E. Reider Ed. Center, Rm. 201, 2000 K St, Bakersfield

Restricted Projects are any project which may require additional adult supervision due to potentially harmful materials, handling of machinery/firearms, handling of non-human vertebrates, or topics sensitive to either the student or subject(s).

Types of Restricted Projects

- Hazardous or controlled substances-anything labeled “Keep Out of Reach of Children”
- Firearms or dangerous equipment
- Nonhuman vertebrates or field studies involving animals (grades 4-5 aren't permitted to complete projects involving animals)
- Human subjects, **including surveys**
- Pathogenic agents/bacteria, including mold – no research will be allowed on unknown bacteria
- Recombinant DNA (DNA formed artificially)
- Human and animal tissue-including body fluids

All Restricted Projects **must** be approved by the Kern County Regional Science Fair Coordinator.

Approval for Restricted Projects must be obtained prior to the student beginning the project. If you are unsure if a project is restricted, contact Michelle Roy, KCSOS Science Coordinator at 661-636-4640 or

by e-mail at miroy@kern.org. Completed forms from the 2020 Kern County Regional Science Fair handbook should be submitted directly to Michelle Roy. The forms are also available on-line as PDF files at <https://kern.org/science-foundation/kern-county-science-fair/>.

Restricted Project Forms must be typed and submitted to Michelle Roy via one of the following methods by Monday, December 16, 2019:

U.S. Mail: KCSOS Regional Science Fair, 1300 17th Street, Bakersfield, CA 93301-4533

Hand delivery: KCSOS, 1300 17th St, 5th floor

Email: miroy@kern.org

Additionally, all of the attached forms (Coach Form, Volunteer/Judge Form & Student Entry Forms) must be submitted by fax, e-mail, or mail to Lea Cantu in Educational Services (contact info. below). All forms should be typed. Forms may be accessed from the district website at <https://www.duesd.org/Page/520>.

Please submit the names of your site coaches on the attached **Coach Form** by **Thursday, September 5, 2019**. As in the past, **each participating school is required to supply a minimum of three helpers** who will serve as judges at the District Science Fair. Their names must be returned on the attached **Judge/Volunteer Form** by **Thursday, December 5, 2019**.

School events must be completed and Student Entry Forms submitted by Thursday, December 5, 2019. It is each school's responsibility to check for accuracy of spelling of students' names, as all certificates will be created from these forms.

Thursday, Sept. 5	Coach Form due
Thursday, Dec. 5	Judge/Volunteer Form due
Thursday, Dec. 5	Student Entry Forms due
Thursday, Jan. 16	DUSD Science Fair 1:00 p.m. - Judges and Volunteers meet in the Almond Tree PDC Room- lunch provided 1:30 p.m. - Check-in begins for students and coaches in the Almond Tree Gym 2:00 p.m. - Judging begins in the Almond Tree Gym 4.30 p.m. - Awards Ceremony begins in the Almond Tree Gym

Contact/Questions/Forms to:

Lea Cantu/Ed. Services - lcantu@duesd.org (661)721-5000 ext. 00109

Mail: 1405 12th Avenue, Delano, CA 93215

Fax: (661)721-3099

Attachments:

1. Coach Form
2. Volunteer/Judge Form
3. Student Entry Forms

Resources:

KCSOS - <https://kern.org/science-foundation/kern-county-science-fair/>

CSF website - <http://cssf.usc.edu/>

NASA Jet Propulsion Laboratory - <https://www.jpl.nasa.gov/edu/learn/activities/science-fair-project/>

Science Buddies - <https://www.sciencebuddies.org/>

Science News for Students - <https://www.sciencenewsforstudents.org/>

Super Science Fair Projects - <https://www.super-science-fair-projects.com/>

Science Fair Project Ideas - <https://www.education.com/science-fair/>

All Science Fair Projects - <http://www.all-science-fair-projects.com/category0.html>