

Science Fair

2019-2020





Important Dates

Friday, Aug 9th:

Site

- Rollout of History Day Information to AAs
 - [Science Fair Team Drive](#)

Tues, Aug 13th:

- AAs Rollout to Teachers at Sites
 - Expectation is that ALL Sites Participate

August 14 - January 26th (~~February 18th~~):

- Grades 4-8 Teachers Work with Students on Projects
 - See Last THREE Slides for [Rules Handbook and Facts](#)
 - Each Site Selects **UP TO THREE** Projects Per Grade to Advance to the District Science Fair
 - Based on [Judging Criteria](#) on the Last Slide
 - Name of Students Advancing to District Fair are Due to Lori by Friday, Feb14th by 3:00pm



Important Information

District

Only Send Projects to the District Fair That Meet the Criteria Outlined in the [Rules Handbook](#)

- The County suggests you avoid topics that are likely to get you disqualified
 - Drugs, alcohol, firearms, explosives, harming animals (ie: starving them, etc.), etc.
- Pay attention to what you are allowed to display
 - NO molds, liquids (even water!), glass, etc.
 - NO faces of people (put a sticker on them)
 - Size requirements
- Include all appropriate headings and information on your Board
 - Pay attention to location/order of information
- Journals are highly recommended and should detail your process
- Be careful with plagiarism! Do not copy and paste! Cite!
- Ensure you have the appropriate forms completed PRIOR to submitting your project to the District Fair

Important Dates

District

Monday, January 27th (~~Tuesday, February 18th~~):

- Projects Due to CMS between 1:00pm and 4:00pm
- Projects will NOT be picked up
- NO LATE PROJECTS WILL BE ACCEPTED

Tuesday, January 28th & Wednesday, January 29th (~~Wednesday, February 19th & Thursday, February 20th~~):

- AAs Judge Projects at CMS
 - Judge 4-8
 - Display TK-3
- Tallying

Thursday, January 30th (~~Friday, February 21nd~~):

- Possible Interview calls (4-8 only)

- 8:00am-11:00am = CMS, MDAE, GEO, MLMS
- 10:00am -1:00pm = ADE, DFB, ERE, GUS, MKP
- 12:00pm -3:00pm = VME, TVE, WCE, WSP



Important Dates

District

Sat, Feb 1st ~~22nd~~:

- District Science Fair at CMS 9:00am-11:00am
- Schedule
 - Interviews/Viewing/Refreshments 9:00am - 9:30am MPR
 - Awards Ceremony 9:30am - 10:45am GYM
 - Participation Awards
 - 2 Advancing to County Awards per Grade (4-8)
 - Project Removal 10:45am - 11:00am GYM




Students Moving to County

Important Dates

Tuesday, TBD from 5:00pm-5:30pm:

- Board Meeting Recognition Ceremony
 - Refreshments, Cake, & Medal to Advancers



Student Important Dates County

Due to District Office

By Feb 3rd at 3:00pm

- Online Registration Form
(<https://simsef.zfairs.com/>)
- Student Signature Card
- Other Forms, if applicable
 - Field Trip Form

Make Sure You
Have Your **BACK**
OF PROJECT
FORM on Your
Board



Important Information

County Science Fair Competition

Agenda

March 10th, 2020:

- County Science Fair at San Bernardino Airport
(1601 East Third Street, Suite 100, San Bernardino, CA 92408)
 - No public viewing
 - Lunch for interviewing students only
 - Only 6-8 stay for interviews

March 10, 2020 Tuesday	Safety screening of all projects	7:00 – 9:00 a.m.
	Elementary project setup (Grades 4-5)	7:00 – 9:00 a.m.
	Elementary judging (Grades 4-5 do not stay on site, not interviewed)	9:00 a.m. – 4:00 p.m.
	Junior/senior project setup (Grades 6-12)	7:00 – 8:30 a.m.
	Orientation for juniors/seniors	8:30 – 9:00 a.m.
	Junior/senior judging and interviews (Students only)	9:00 – 10:45 a.m.
	Break for students (Location: TBD) – Snack provided for students	10:45 – 10:55 a.m.
	Junior/senior judging and interviews (Students only)	10:55 a.m. – 12:00 p.m.
	Break for students (Location: TBD) – Lunch provided for students	12:00 p.m. – 12:25 p.m.
	Junior/senior judging and interviews (Students only)	12:25 p.m. – 2:00 p.m.
	Juniors/seniors dismissed for the day	2:00 p.m.
Project removal	4:30 – 6:00 p.m.	
March 11, 2020 Wednesday	Project removal	7:00 a.m. – 12:00 p.m.
March 12, 2020 Thursday	SIM Science & Engineering Fair Awards Ceremony	5:30 – 8:30 p.m.
	Meeting for projects advancing to California State Science Fair (6-12 th grade only)	8:30 p.m. (immediately following awards ceremony)

NOTE: Please be advised student lunches are provided for Junior & Senior Divisions, however, if students have special dietary needs and/or allergies they are welcome to bring a lunch that meets their dietary needs. A snack will be provided at the morning break.



Important Information

County

Project Pick Up + Awards Ceremony

March 10th, 2020 from 4:30pm-6:00pm

- Project Removal


March 11, 2020 from 7:00am-12:00pm

- Projects not picked up will be disposed of
- Projects must be signed out by student or designee (designees must have approval from student/group and sign statement confirming they are approved to remove the project)

March 12th, 2020 at 5:30pm

Awards Ceremony at DoubleTree by Hilton
Hotel in Ontario (222 North Vineyard Ave, Ontario, CA 91764)

- Doors open at 5:00pm
- Program ends at 8:30pm
- Students receive at least a certificate and pin



Important Dates

State

April 20-21, 2020

- State Science Fair at the California Science Center in Los Angeles
 - Only 6-8 can advance to State Science Fair



Categories

Individual

or

Group

(Maximum 3 People)

Elementary (4-5)

or

Junior (6-8)

Categories

See Page 12 of the Handbook

ex: Biology, Chemistry, Zoology

https://www.sbcss.k12.ca.us/images/Documents/ess/Science/2018_2019_SIM-Handbook-9-12-18.pdf



Hints and Judging Criteria

Be Sure to Communicate to Kids!


- Differentiate between science and engineering project
- Use scientific method
- Better to have journal
- Do not need other materials other than board and journal (cannot have certain items such as liquids, plants, food, mold, etc.)
- Review [Science Presentation Board Layout](#)/Requirements
- Make sure you have ALL the required Certification Forms, if applicable (see Rules Handbook)
- AESD [Judging Criteria](#) (Science Rubric and Engineering Rubric are slightly different)
- Review the [Sample Interview Questions](#)
- Good idea to review science fair categories, safety regulations, category, group/individual, topic choice, conducting research & citing, analyzing & evaluating data



Rules Handbook & Facts

Contest Rule Handbook

- **Coordinators/Teachers *required* to explain the Handbook to all participating students**
 - **Pay close attention to pages 7-11 (Safety & Display) AND pages 22 (Judging Criteria) AND pages 23-35 (SIMSEF Forms)**
- **Students are required to follow ALL rules in the Rules Handbook and have the correct forms submitted WITH their projects**
 - ***Student projects will not be judged if they do not have the proper forms, if required.***
 - For instance, if humans were involved in your project (heart rates, surveys, etc.), the participating person(s) must complete a form. If any animal is used in a project, a veterinarian must complete a form before you start your project. Please see the Rules Handbook for additional requirements and forms.
- **Site administration and teachers are responsible for**
 - **Ensuring that student projects meet all requirements contained in the Rules Handbook**
 - **Ensuring that ONLY projects complying with the Rules Handbook and having the correct Certification Forms are advanced to the District Science Fair**



Required Forms, **If Applicable,** BEFORE Starting Project

Continuation of Research Form (*SIMSEF Form 2*)


- Required for projects that are a continuation/progression in the same field of study as a previous project.
- The completed form must be submitted with the Student Signature Card.

Certification of Professional Research Support Form (*SIMSEF Form 3*)

- Students who perform an experiment as part of an industry, university, hospital or institution other than their school must submit a Certification of Professional Research Support form. The form must be filled out and signed by the adult supervisor or principal investigator at that institution after the student has completed the experimentation.
- The completed form must be submitted with the Student Signature Card.

Certification of Humane Treatment of Live Vertebrate Animals Form (*SIMSEF Form 4*)

- Required for projects involving live vertebrate animals (dogs, cats, fish, rats, hamsters, horses, and birds are a few common examples of vertebrate animals).
- All projects involving nonhuman vertebrate animals must conform to the regulations listed in these guidelines and on the Certification of Humane Treatment of Live Vertebrate Animals form.
- The Certification of Human Treatment of Live Vertebrate Animals must be signed by the appropriate individuals before the project is started.
- The project must conform to California State Education Code Section 514540 and the International Science and Engineering Fair Regulations for Experiments with Animals.
- If any animal injury, stress, or death occurs, the project must be terminated.
- The completed form must be submitted with the Student Signature Card.
- Vertebrate animal studies without this certification will not be allowed in the Fair for exhibition or judging.



Required Forms, **If Applicable,** BEFORE Starting Project

Certification of Compliance of Research Involving Human Subjects Form (SIMSEF Form 5)

- Required for projects involving human subjects and/or interviewees. All projects involving human subjects must conform to the regulations listed in these guidelines and on the Certification of Compliance of Research Involving Human Subjects Form.
- The Certification of Compliance of Research Involving Human Subjects Form must be completed and signed by the sponsoring teacher/advisors before the project is begun.
- The completed form must be submitted with the Student Signature Card.
- Human studies without this certification form will not be allowed in the Fair for exhibition or judging.

Participant Informed Consent Form (SIMSEF Form 6)

- Required for projects involving human subjects and/or interviewees.
- The Participant Informed Consent Form is used to gain permission of study participants involved in the project.
- The completed form must be submitted with the Student Signature Card.

Human and Vertebrate Animal Tissue Form (SIMSEF Form 7)

- Required for projects involving human or other vertebrate animal tissue (including teeth and hair roots), blood, blood products and body fluids.
- All projects that involve the use of tissues from humans or vertebrates must conform to the regulations listed in these guidelines and on the Human and Vertebrate Animal Tissue Form.
- Students may not be involved in the direct acquisition of recombinant DNA, tissue, organs, or other body parts (including blood and meat) from human or vertebrate animals; they must be acquired by adults or from a commercial or medical source.
- Human and Vertebrate Animal Tissue Form must be completed and signed by the company, agency or person providing or buying the samples. The form must be approved and signed by the sponsor/advisor before the project is begun.
- The completed form must be submitted with the Student Signature Card.
- Projects involving tissue studies without this certification will not be allowed in the fair for exhibition or judging.



Good Luck!