



CVUSD
Science Fair
Coordinators Meeting

October 13, 2022

3:00/3:45 PM



Agenda

- Introductions
- Important Information
- Requirements for 2022-2023
- Timeline
- Tentative Procedures
- Helpful Websites



Important Information

- Online registration
- Judging will be done in person
- 3 projects per grade (grades 4-6)
- 3 per course/teacher (secondary) [some exceptions]
- Need judges
- Judging forms similar as last year
- Engineering still encouraged in addition to science
- New Category @ County: Class Project



Requirements for 2022-2023

Forms

Presentation

Quad Chart/Backboard





Requirements for 2022-2023

- Students register on Zfairs (more instructions to follow)
- Student completes Research Plan & The Rules Wizard before starting project
- Get approval from CVUSD SRC/IRB for projects with vertebrates, humans, or hazardous materials
- Students complete a display board or Quad Chart
- Students create a PowerPoint/Google Slide presentation
- Video
 - Elementary (grades 4-5): 3 minutes maximum
 - Junior (grades 6-8): 3 minutes maximum
 - Senior (grades 9-12): 3 minutes maximum
- Students upload completed DDB and video to Zfairs (tentative)



ISEF Rules Wizard

Will your experiment include (check all that apply):

- Vertebrate Animals
- Human Participants
- Recombinant DNA
- Microorganisms
- Human or Animal Tissue
- Hazardous Chemicals,
Activities, or Devices
- Student-Designed Invention,
App, or Prototype
- None of the Above

Next Page

Clear & Restart



QUAD CHART TEMPLATE: GENERAL SCIENCE PROJECT

[PROJECT TITLE] – [PROJECT ID Number]	
<p>Q1: INTRODUCTION – What is your research question?</p> <ul style="list-style-type: none">• Explain what is known or has already been done in your research area. Include a brief review of relevant literature.• If applicable: If this is a continuation project, a brief summary of your prior research is appropriate here. Be sure to distinguish your previous work from this year's project.• What were you trying to find out? Include a description of your purpose, your research question, and/or your hypothesis. <div style="border: 1px solid black; width: fit-content; margin: 10px auto; padding: 5px;">IMAGES / Data</div>	<p>Q3: Data Analysis & Results – What were the result(s) of your project?</p> <ul style="list-style-type: none">• Include tables and figures which illustrate your data.• Include relevant statistical analysis of the data. <div style="border: 1px solid black; width: fit-content; margin: 10px auto; padding: 5px;">Images / data</div>
<p>Q2: Methodology – Explain your methodology and procedures for carrying out your project in detail.</p> <ul style="list-style-type: none">• What did you do?• What data did you collect and how did you collect that data?• Discuss your control group and the variables you tested.• DO NOT include a list of materials.	<p>Q4: Discussion – What is your interpretation of these results?</p> <ul style="list-style-type: none">• What do these results mean? Compare your results with theories, published data, commonly held beliefs, and expected results.• Discuss possible errors. Did any questions or problems arise that you were not expecting? How did the data vary between repeated observations of similar events? How were results affected by uncontrolled events? <p>Q4: Conclusions – What conclusions did you reach?</p> <ul style="list-style-type: none">• What do these results mean in the context of the literature review and other work being done in your research area? How do the results address your research question? Do your results support your hypothesis?• What application(s) do you see for your work?

Timeline

- Science Teacher/Coordinator Meeting
 - Science Fair projects discussed and modeled in class
 - Students discuss topic ideas with teacher
 - Confirm ideas and write hypothesis
 - Begin research and glossary
 - Procedure, data, glossary, and research in progress
 - Results and conclusion finalized
 - Final project due at school
 - Site Judging
 - Site Awards for winners
 - District Science Fair Backboards
 - District Science Fair Judging – In person
 - District Awards
 - Register for County Fair
 - County Science Fair Judging
 - State Science Fair
- | |
|--------------|
| TBD |
| Oct./Nov. |
| Oct./Nov. |
| Oct./Nov. |
| Nov./Dec. |
| Nov./Dec. |
| Nov./Dec. |
| Beg. Jan. |
| Beg. Jan. |
| Beg. Jan. |
| Jan. 23, '23 |
| Jan. 24, '23 |
| Jan. 25, '23 |
| Jan. 27, '23 |
| March, '23 |
| April '23 |



Procedures

- Students determine if project needs a review board
- Students complete appropriate forms
- Students upload information to Zfairs (tentative)
 - Projection Presentation (PowerPoint) [including lab notebook and research]
 - Quad Chart/Display Board
 - Abstract (grades 6-12)
 - Video [permission to view]
- Winners determined by site – names uploaded to Google form in early January 2022
- District Participants bring backboard {or use Chromebook} Jan. 23
- Judging will take place Tues., Jan. 24
- Winners announced on Wednesday, Jan. 25, 2023
- District winners must submit all necessary paperwork by Friday, Jan. 27, 2023 for county competition



Helpful Websites

- Rules for Projects:
 - <https://www.societyforscience.org/isef/international-rules/rules-and-guidelines/>
- How to Do a Science Fair Project:
 - <https://www.jpl.nasa.gov/edu/learn/activities/science-fair-project/>
- How to Choose A Great Science Fair Project:
 - <https://drive.google.com/file/d/1nacYKDjreOPbAKbR04VbR9Pu0m-vqZT7/view>
- Talking to Judges:
 - <http://sciencefair.math.iit.edu/presentation/manner>



Next Meeting – November 29, 2022 Thank You!

Steve Buss, Principal, Howard Cattle Elementary

Curt Sumners, Teacher, Liberty Elementary

Luke Hackney, Director, Elementary Curriculum

Lauren Altermatt, Coordinator, Elementary Curriculum

Beverly Lockman, Secretary, Elementary Curriculum

