About the Synopsys Championship

- March 13-14, 2024
- In-Person, if current conditions continue
- Applications Open: Oct 2, 2023
- Pre-approval deadline: Nov 21, 2023
- Final application deadline: Jan 19, 2024
- Visit www.science-fair.org

Synopsys Silicon Valley Science and Technology Championship

Affiliated Science Fairs

CALIFORNIA STATE SCIENCE FAIR

California ScienCenter

Thermo Fisher Scientific
Junior Innovators Challenge
A program of Society for Science

REGENERON
ISEF
A PROGRAM OF SOCIETY FOR SCIENCE

Step 1: Application

Online application folder must contain:

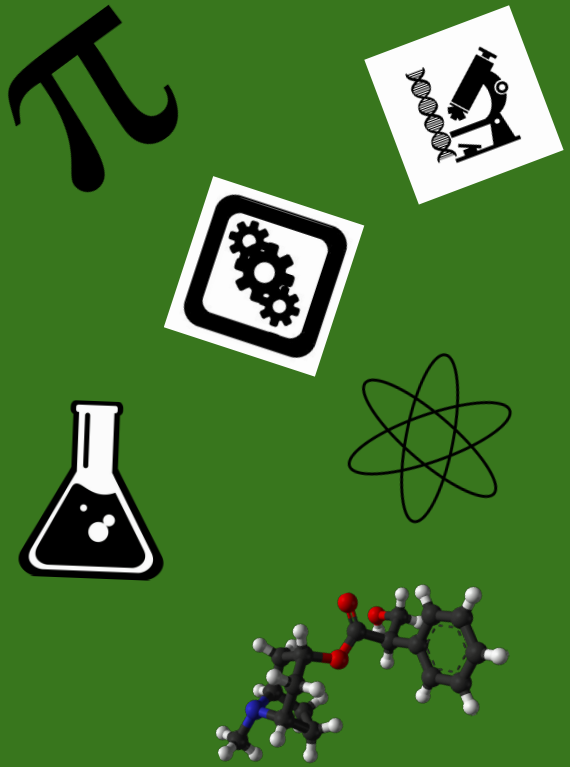
- ➔ **Required Forms**
- ➔ **Signatures**
  *Signature dates MUST be before experimentation begin date
- ➔ **Sponsoring Teacher:** Who can sponsor?
- ➔ **Project Procedures**
- ➔ **Projects with potential risks must have SRC/IRB pre-approval**. Deadline for pre-approval is Nov 21, 2023. Do I need pre-approval?
- ➔ **Payment or Voucher Code is needed to complete application process** (Admins CAN NOT process application unless it has been paid)

Advantages of Participating

- ➔ DISCOVERY!
- ➔ Learning from Mentors and Judges
- ➔ Various Cash prizes up to $1000
- ➔ Students can qualify for:
  - ◆ California State Science Fair (grades 6-12)
  - ◆ Thermo Fisher Scientific Junior Innovators Challenge (grades 6-8)
  - ◆ Trip to Regeneron International Science & Engineering Fair (grades 9 - 12)
- ➔ NASA opportunities
- ➔ Sponsored Awards from a variety of organizations

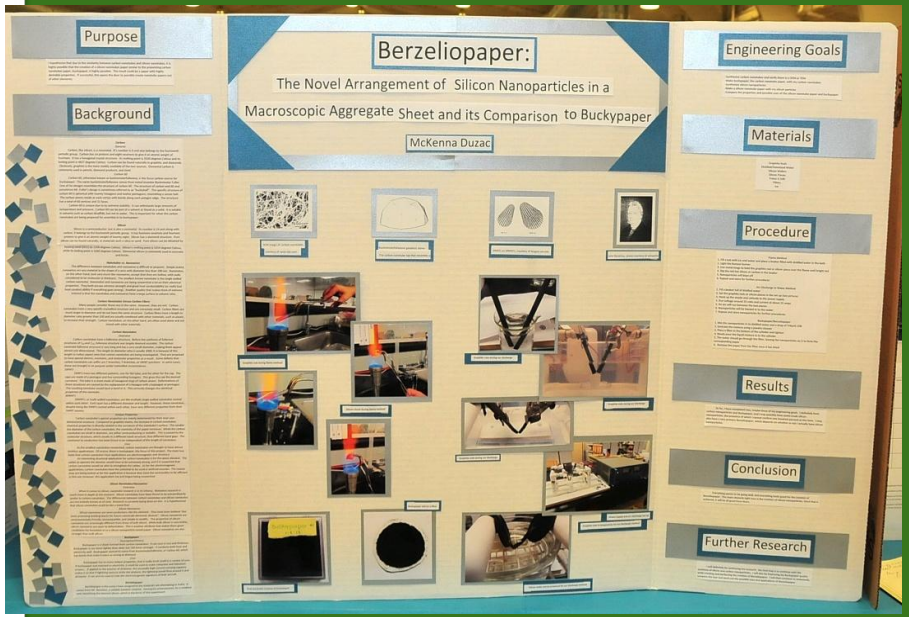
Types of Projects

- ➔ Engineering, Math, Computer Science
- ➔ Product Testing, Food Science (grades 6-8 only)
- ➔ See website for Engineering PPT
- ➔ See link for Minimum Quality Requirements
- ➔ See special rules/forms/dates; hazards, vertebrates, humans. (Apps that involve medical or mental health may not be done without a doctor as a supervisor & require pre-approval)



Project Hints & Tips

- ➔ Pick something you care about
- ➔ Do your background research
- ➔ Look for the answer to Why? or How?
- ➔ Find something that matters
  - ◆ To developing countries
  - ◆ To disabled people
  - ◆ To the environment
- ➔ The “inherently cool”
- ➔ Use a notebook
- ➔ Analyze your findings



Stay Away From

- Pouring Coke on things, plants in Miracle-Gro
- Testing different colors of light on plants
- Anything that starts with “I want to find out what happens when…”
- No expression of tau and similar proteins
- No culturing anything at home in Petri dishes
- For more No-No’s see our list on the website

NEED MORE IDEAS?

- ➔ Use a Scientist's unfinished work
- ➔ Use Google and Google Scholar
- ➔ Use what you know
  - ◆ Your hobbies
  - ◆ Things that bug you
  - ◆ The Sponsored Awards
  - ◆ The news
  - ◆ Look for unique measuring devices (UV meter)

Example of a real "science fair project"

Bare Zones

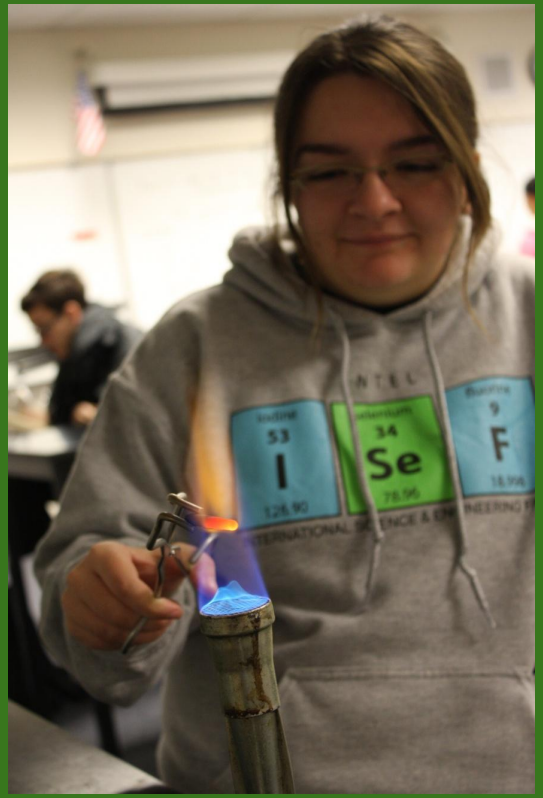
Why is there a strip of bare dirt between the chaparral and grassy areas of Mt Diablo? Is it a complicated plant warfare? Or something much simpler?

SUCCESS

- ➔ Take as much data as possible
  - ◆ Many samples
  - ◆ Repeated trials
  - ◆ Various conditions
- ➔ Analyze the data
- ➔ Be enthusiastic when presenting
- ➔ Safety FIRST!
- ➔ Parents: Know your place
- ➔ Go beyond if using Science Buddies

APPLYING

- ➔ Be clear
  - ◆ Include safety information
  - ◆ Use metric
  - ◆ Know your variables
  - ◆ Check for all the forms your project requires
  - ◆ Signatures
  - ◆ Bibliography



IMPORTANT WEBSITES

- www.science-fair.org
- www.sciencebuddies.org
- https://www.societyforscience.org/isef/
- https://www.discoveryeducation.com/
- http://ei.cornell.edu/student/

CONTACT US

Use our Contact Us page or email us directly:

fairmanager@science-fair.org

We hope this is the beginning of great things to come!