

Science Fairs



Synopsys Silicon Valley Science and Technology Championship



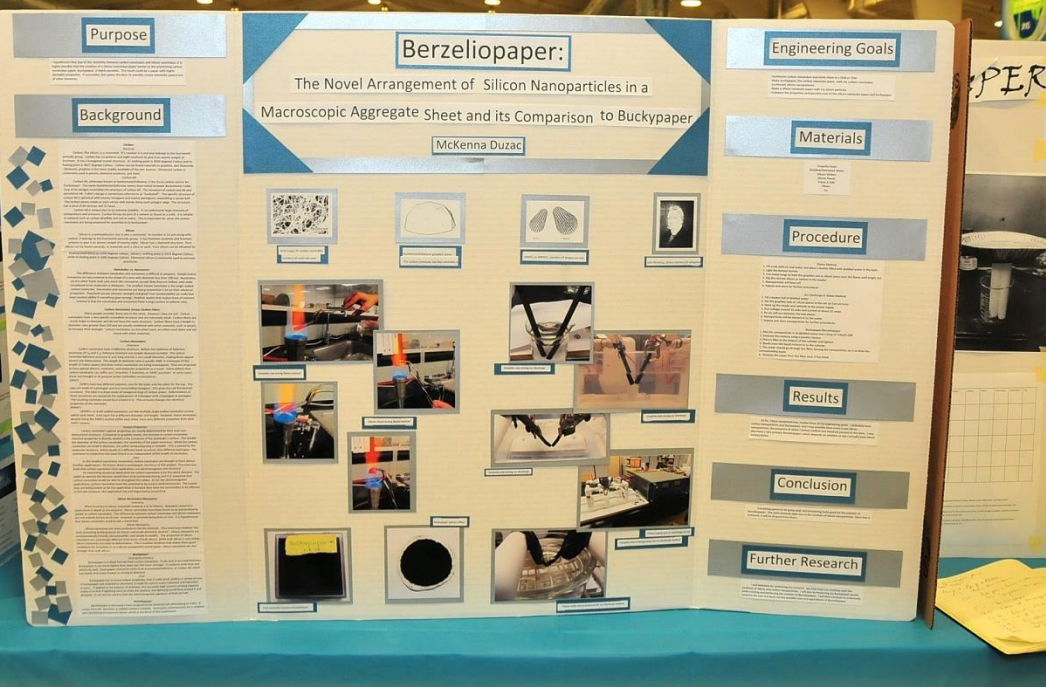
Synopsys Championship

- Deadlines- 11/27 HS SRC, Jan 8 MS SRC, Jan 22 Both W/O SRC (10/9,10/30)
- Download application
- www.science-fair.org
- Check-in March 16, Presentations March 17



Advantages of Participation

- Networking with other students like you!
- Discovery!
- Learning from mentors and judges
- Various cash up to \$1000
- Trip to Ca State Science Fair 6-12
- Broadcom MASTERS 6-8
- Trip to Intel International Science and Engineering Fair 9-12
- NASA opportunities
- Variety of Special Awards from Organizations

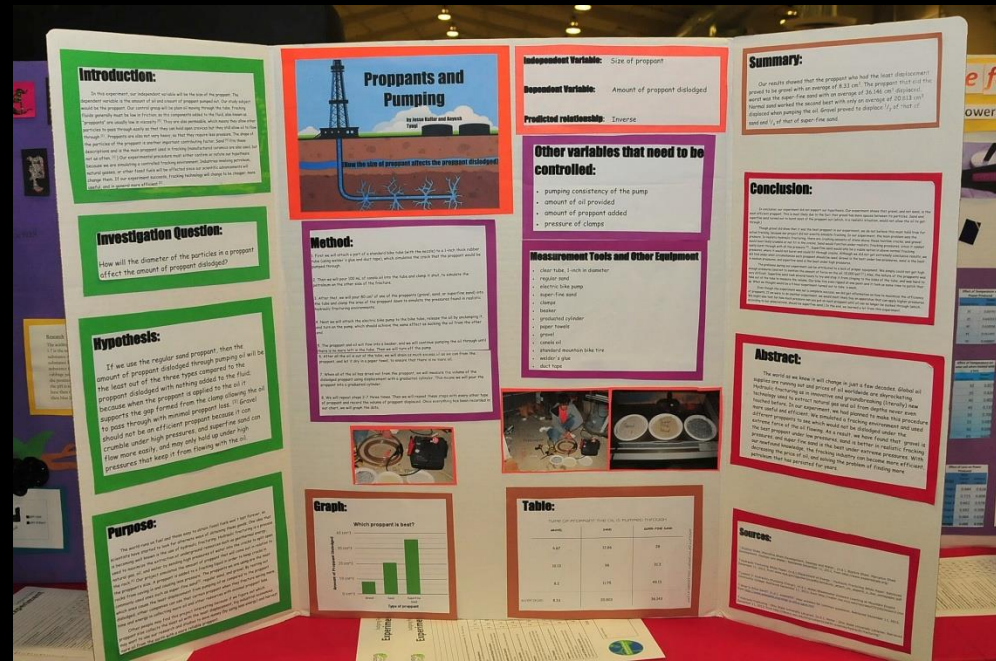


Types of Projects

- product testing for 8th and below only
- Engineering, Math, Computer Science
- All types of Experiments
- See website for **Engineering** PPT
- See Handbook link for **minimum quality standards**
- See special rules/forms for behavioral science, hazards, using vertebrates, using human subjects

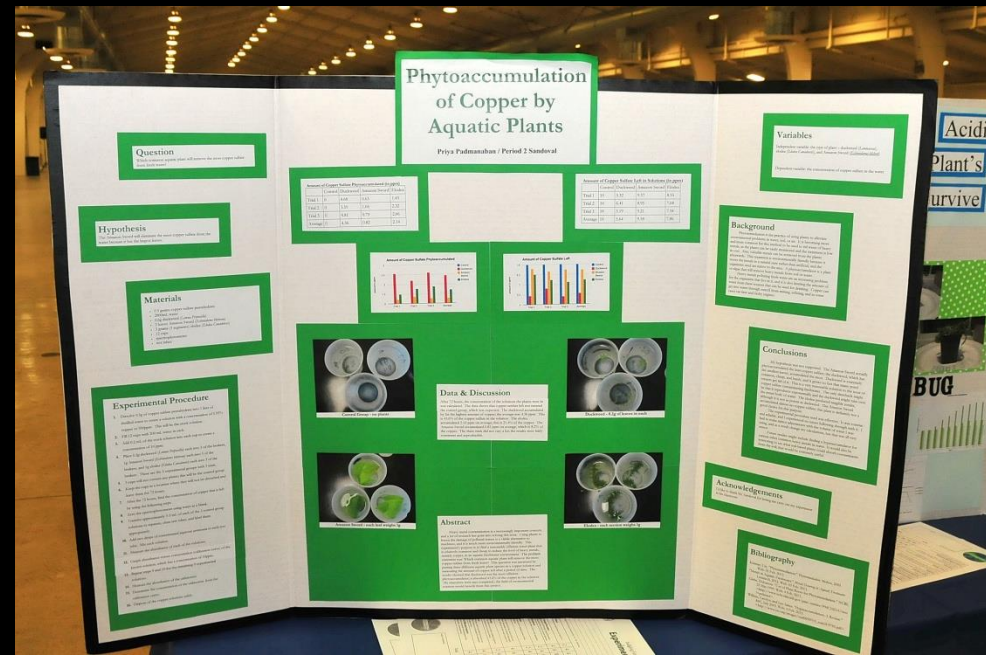
Projects Hints

- Something you CARE about
- Do your background research
- Look for the answer to Why or How
- 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 anything
- Growing plants in different soils
- Testing different colors of light on plants
- Anything that starts out with “I want to find out what happens when...”
- See the no-no list on the website



Need More Ideas?

- Use Google and Google scholar

Stay away from science project lists

DO: Put in 2 science terms, “Earthquake” and “Magnetism”

Or use ask.com-it offers nice suggestions

- Use what you know

Your hobbies

Look around and SEE

The things that bug you

The Special Awards

The news

Look for unique measuring devices (UV meter)



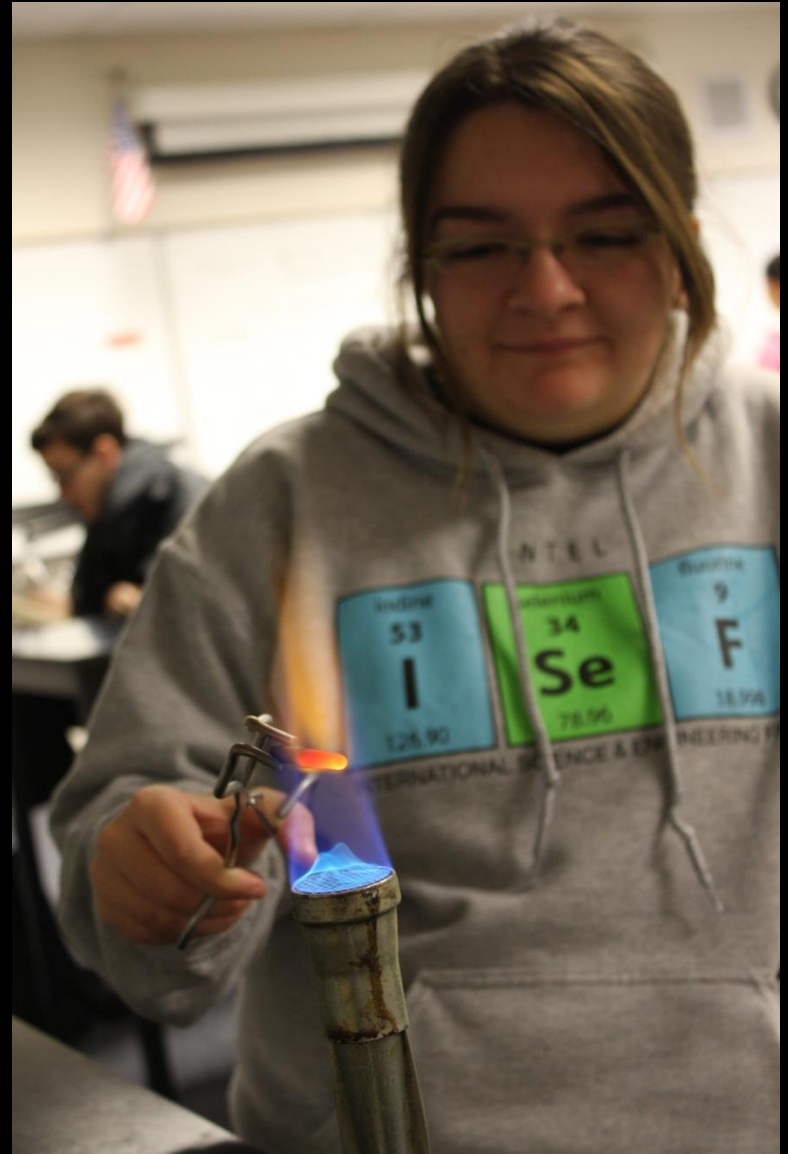
Success

- 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 special forms your project may require



Important Websites

- www.science-fair.org
- www.sciencebuddies.org
- <http://www.societyforscience.org/ISEF/>
- <http://school.discoveryeducation.com/sciencefaircentral/>
- <http://ei.cornell.edu/student/>



See You at the Fair!

