

SACNAS at UCLA Chapter



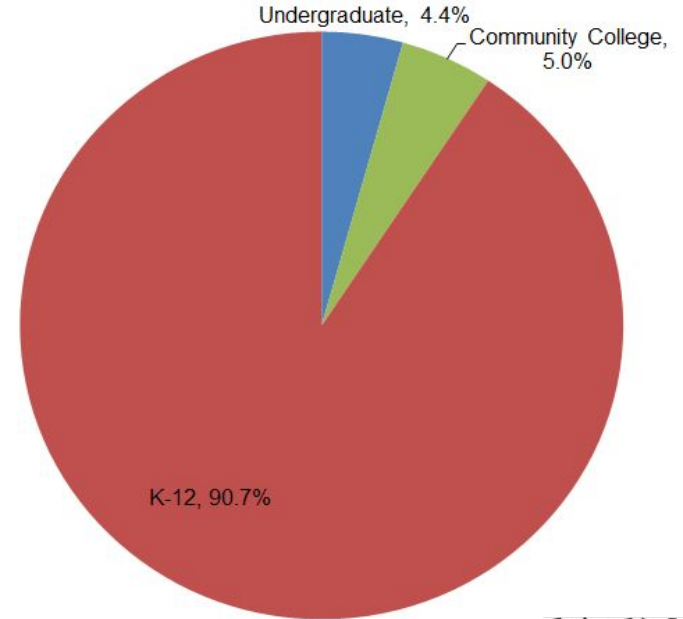
- 113 members in 2019-2020.
- Scientists at different levels participate in outreach activities.
- Los Angeles demographic allows our chapter the opportunity to host outreach. Events serve the local community.
 - Title I schools
- Aim to have at least 1 outreach event per quarter.

Outreach by the Numbers

- 10 outreach events
- Over 90 volunteers

Total: Over 2,000 Students

- 50 Undergrads
- 57 Community College Students
- 1,042 K-14 Students

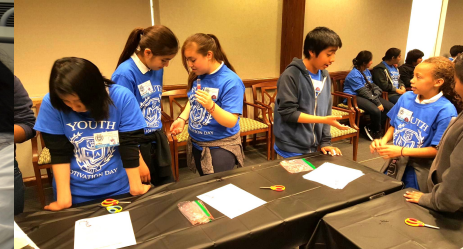
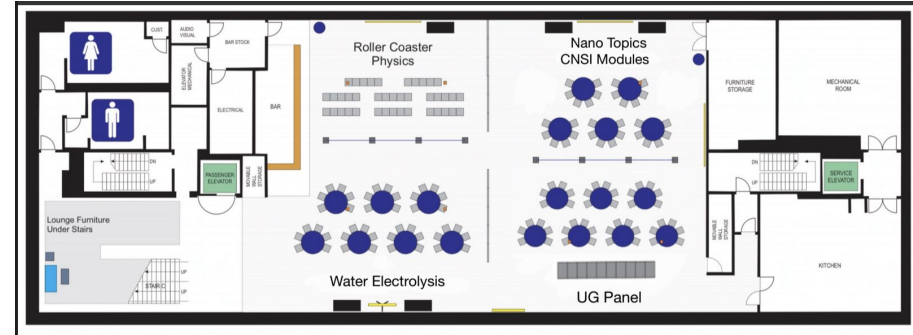


Sun Valley Middle School Outreach Event

Attendees- 8th grade students (~100)

Goal: Expose student to hands on science modules and career paths and increase interest in STEM.

- Interactive presentation
- Demos
- Sense of accomplishment through hands on guided experiments.
- Expose students to scientific careers
 - Specific examples of careers - relate directly to the modules

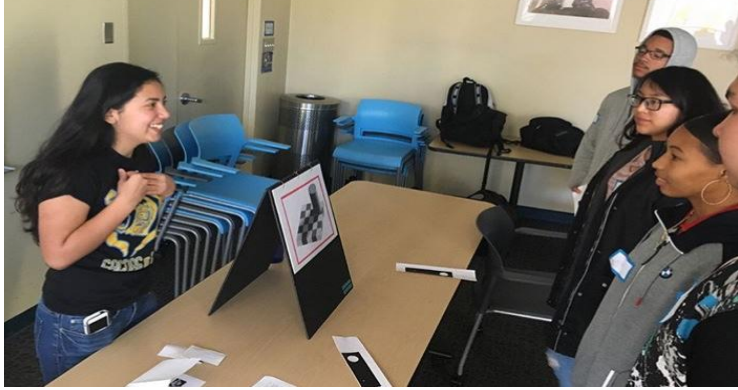


Planning an Outreach Activity

- Opportunity to build community and for general members to be involved.
- Specific roles assigned to committee members.
- Set up a timeline for each event with deadlines.
- Find out volunteer availability and schedule shifts.
- Troubleshoot science modules before event.



Planning a Big Event - *Outreach Committee Meetings*




- What is this?
 - Meeting with general body members & outreach coordinators
 - Develop and test with new science modules



- At least 2 weeks before the event:
 - Train volunteers
 - Buy materials

Planning a Big Event - *Outreach Committee Meetings*

Make an agenda for the meetings

Outreach		Committee Training
March 4, 2020		
Location of Meeting: IPAM		
Sun Valley Training & Planning		

Agenda:

1. Introductions: Name + grad or undergrad? + Happies and Crappies
2. **Sun Valley Outreach Event**
 - a. Event Details:
 - i. **Date:** Monday, March 30th, 2020 (First day of Spring Quarter)
 - ii. **Time:** 8:00am - 3:00pm
 - iii. **Location:** Pauley Pavilion Club
 1. *Will send out directions to the club closer to the event.*
 - iv. **Audience:** 8th grade students
 - v. **Schedule of the Day:**
 1. **Set up:** 8:00am - 9:45am
 2. **Students Arrive at UCLA:** 9:45am
 3. **Student Welcome:** 10:00am - 10:15am
 4. **Session #1:** 10:15am - 10:45am
 - a. Roller Coaster Physics:
 - b. Water Electrolysis:
 - c. Panel: Sarahi
 - d. CNSI: — Nano Topics
 5. **Session #2:** 10:45 - 11:15am
 - a. Roller Coaster Physics:
 - b. Water Electrolysis:
 - c. Panel: Sarahi
 - d. CNSI: — Nano Topics
 6. **Lunch:** 11:15 - 11:45
 - a. Is SACNAS providing Lunch for Volunteers?
 - i. *Will update next week if SACNAS is providing lunch for volunteers*
 - b. Students are bringing their own lunch from the school
 7. **Session #3:** 12:00pm - 12:30pm
 - a. Roller Coaster Physics:
 - b. Water Electrolysis:
 - c. Panel:



Make an agenda for the meetings

Outreach



Committee Training

March 4, 2020

Location of Meeting: IPAM

Sun Valley Training & Planning

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Sun Valley Outreach Event Volunteer Schedule													
	Shift #1: 8:00 am - 8:30 am	Shift #2: 8:30 am - 9:00 am	Shift #3: 9:00 am - 9:30 am	Shift #4: 9:30 am - 10:00 am	Shift #5: 10:00 am - 10:30 am	Shift #6: 10:30 am - 11:00 am	Shift #7: 11:00 am - 11:30 am	Shift #8: 11:30 am - 12:00 pm	Shift #9: 12:00 pm - 12:30 pm	Shift #10: 12:30 pm - 1:00 pm	Shift #11: 1:00 pm - 1:30 pm	Shift #12: 1:30 pm - 2:00 pm	Shift #13: 2:00 pm - 2:30 pm	
	SET UP: 8:00 am – 10:00 am				Session #1: 10:15 am – 10:45 am		LUNCH: 11:15 am – 11:45 am		Session #3: 12:00 – 12:30pm		Session #4: 12:30 – 1:00pm		CLEAN UP: 1:00 pm – 3:00 pm	
SET UP / CLEAN UP	Daisy Maria Winters Jasmine Esparza Maria Flores Troy Lowe Lauren Thurlow Nyasha Maforo Sonia Bustos Barocio Arianna Mandelli Michael LeClaire	Daisy Maria Winters Jasmine Esparza Maria Flores Troy Lowe Lauren Thurlow Nyasha Maforo Sonia Bustos Barocio Arianna Mandelli Michael LeClaire	Daisy Maria Winters Jasmine Esparza Maria Flores Troy Lowe Lauren Thurlow Nyasha Maforo Sonia Bustos Barocio Arianna Mandelli Michael LeClaire	Daisy Maria Winters Jasmine Esparza Maria Flores Troy Lowe Lauren Thurlow Nyasha Maforo Sonia Bustos Barocio Arianna Mandelli Michael LeClaire		Session #2: 10:45 am – 11:15 am						Maria Winters Lauren Thurlow Devin Gladys Chloe Williams Lucia Gonzalez	Maria Winters Lauren Thurlow Devin Gladys Chloe Williams Lucia Gonzalez	Maria Winters Jorge Cardenas Lauren Thurlow Devin Gladys Chloe Williams Lucia Gonzalez Hayden Montgomery Daisy
	CAMPUS TOUR SCHEDULE IS BELOW													
	PAPER CHROMATOGRAPHY		MODULE LEADERS →	PAPER CHROMATOGRAPHY	Maria Flores Logan Richards Kevin Cannon	Maria Flores Sherry Derack Kevin Cannon	Maria Flores Michael LeClaire	Maria Flores Hayden Montgomery Chloe Williams Michael LeClaire	Lauren Thurlow Hayden Montgomery Chloe Williams	Lauren Thurlow Hayden Montgomery Chloe Williams				
	ROLLER COASTER PHYSICS		MODULE LEADERS →	ROLLER COASTER PHYSICS	Troy Lowe Lauren Thurlow Ha Vu	Troy Lowe Logan Richards Ha Vu	Troy Lowe Devin Gladys Ha Vu	Troy Lowe Devin Gladys	Jasmine Esparza Devin Gladys	Daisy Palomera Devin Gladys				
	WAVES OF THE WORLD		MODULE LEADERS →	WAVES OF THE WORLD	Maria Winters Daisy Palomera Michael LeClaire	Maria Winters Lauren Thurlow Michael LeClaire	Maria Winters Jorge Cardenas Lauren Thurlow	Maria Winters Jorge Cardenas Daisy Palomera	Maria Winters Jorge Cardenas Daisy Palomera	Maria Winters Jorge Cardenas Nathan Rivas				
VISUAL ILLUSIONS		MODULE LEADERS →	VISUAL ILLUSIONS	Luis Jimenez Elena Coley Raquel Katherine Lucia Gonzales	Luis Jimenez Elena Coley Raquel Katherine Lucia Gonzales	Luis Jimenez Elena Coley Raquel Katherine Lucia Gonzales	Luis Jimenez Elena Coley Raquel Katherine Lucia Gonzales	Luis Jimenez Elena Coley Gloria Hernandez Kristina Garske Lucia Gonzales	Luis Jimenez Elena Coley Gloria Hernandez Kristina Garske Lucia Gonzales					
CAMPUS TOURS											CAMPUS TOURS	Daisy Palomera Kristina Garske Jorge Cardenas Hayden Mar Nathan Riva	Daisy Palomera Kristina Garske Jorge Cardenas	

Hayden Mor
Nathan Riva



Outreach feedback is important!

My favorite science activity was the water pressure because we can see how **some waves are high and low as time passes** on.

I liked the nerf gun activity because we **learned about gravity**

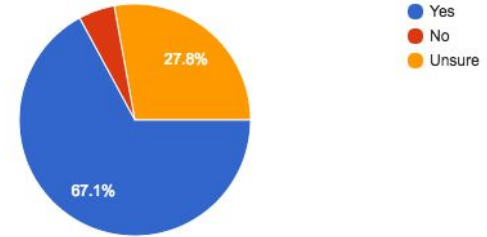
I liked the visual illusions activity because i like **learning about the eye and how it works.**

My favorite module was the chromatography one because it **made me interested in the career of a forensic scientist.**

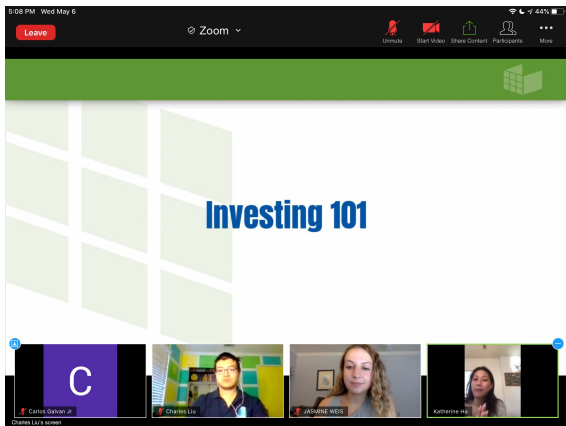
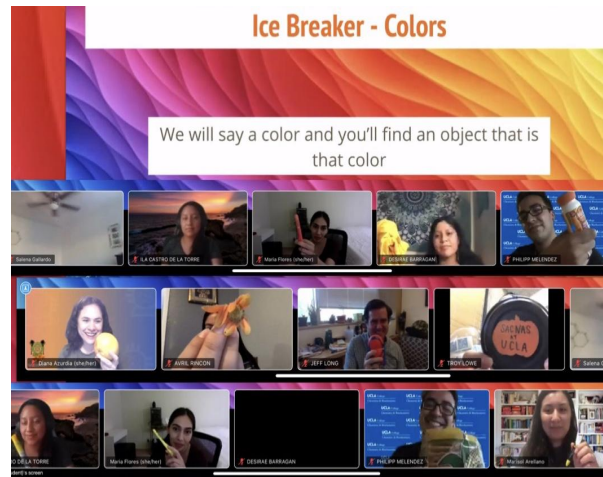
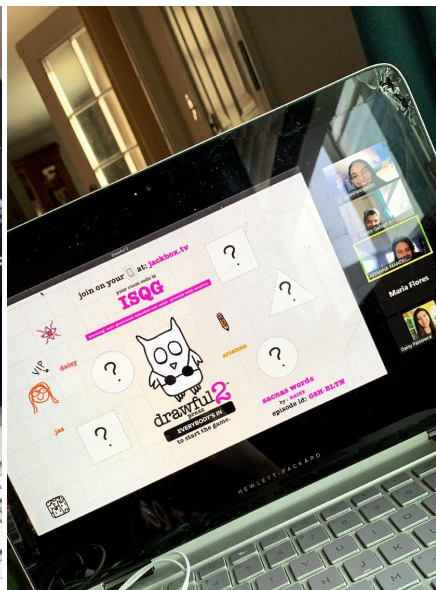
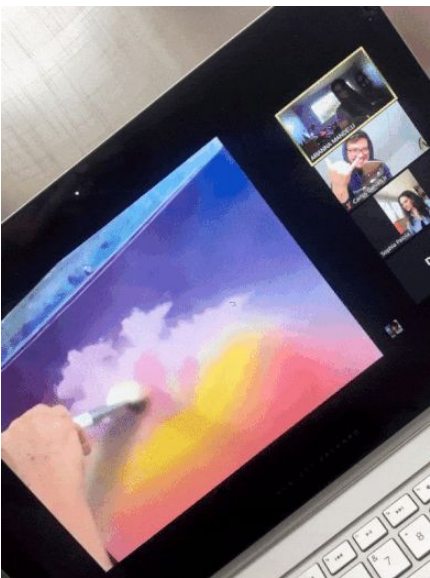
The part where we had to find where are blind part of my eye was because **I did not know that my eyes had a blind spot.**

Has this SACNAS at UCLA outreach event increased your desire and interest in pursuing a STEM career in the future?

79 responses



Adapting to a virtual environment





@sacnas_ucla



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sacnas-ucla chapter

