

Challenges

getting ~~the~~ ^{industry} leaders to commit

PILOT FIRST

Details

• Goal ⇒ Students exposed & connected to industry

• Audience ⇒ Students / Faculty / Industry

• Event type ⇒ Small group localized meetings

• Environment Scan Tool ⇒ Main factors
economic
social

• Timeline
• Schedule

⇒ Beginning of term
(3rd or 4th week)

• Advertisement ⇒

- if active student chapter, contact them
- if not, speak to dept. chair
- also can get industry to sponsor @ active center

- Flyers
- Contact profs
- Contact in industry
- speak to student chair in-person

• Venue ⇒ choose local hosting member

• Budget ⇒ - up to \$2000 IPG
- rent covers by local section
- Food = 200 IPG
- Venue = 25% IPG
⇒ DEIR possible
⇒ LS MEET possible
⇒ Sponsors?

Social

- Need \$ for drinks
- incentivized delegates w/ free dinner
- Prioritize delegation members to ~~students~~ in industry

- potential high school bridge

S:
5x events. ^{goals.}
4-5 people - evts
2/yr

M:
Quattr / call em!
Follow up email

A:
✓

R:
✓

T:
✓

Schedule /
Timeline.

Term Break /
mid term

Adverts: Film Begg Team

Who: ?

- execute comm
each pitch 1
- make films
- Content ideas
- Schedule
execute comm. contact.

Collaborate
on success

- check in
often we each
do it.

Venue / Logistics

- locate Venue →
- money to (book)
- eat
- Remote meet
platform

Contact:

- industry?
- list / Roster
- walk in door.

Contact:

- Students?
- ACS student
chapter
- Dept. Chair.

High school
version?

second event.

Budget:

20 Food / drinks
25 venue
advertising.

LS-MEET:

IPG:

DEIR:

Structural The Chemist's ~~Toolbox~~ ^{Toolbox}

<https://guides.library.stanford.edu/scilib-software>

* **Goal**: Leveraging student computer skills in their learning process by introducing early-career chemists to the software ~~they~~ used in the field. Connect student across the country to teachers, chemists, researchers, and build their network.

* **Target Audience**: Pre-Grad Student
High School, Comm College, Undergraduate

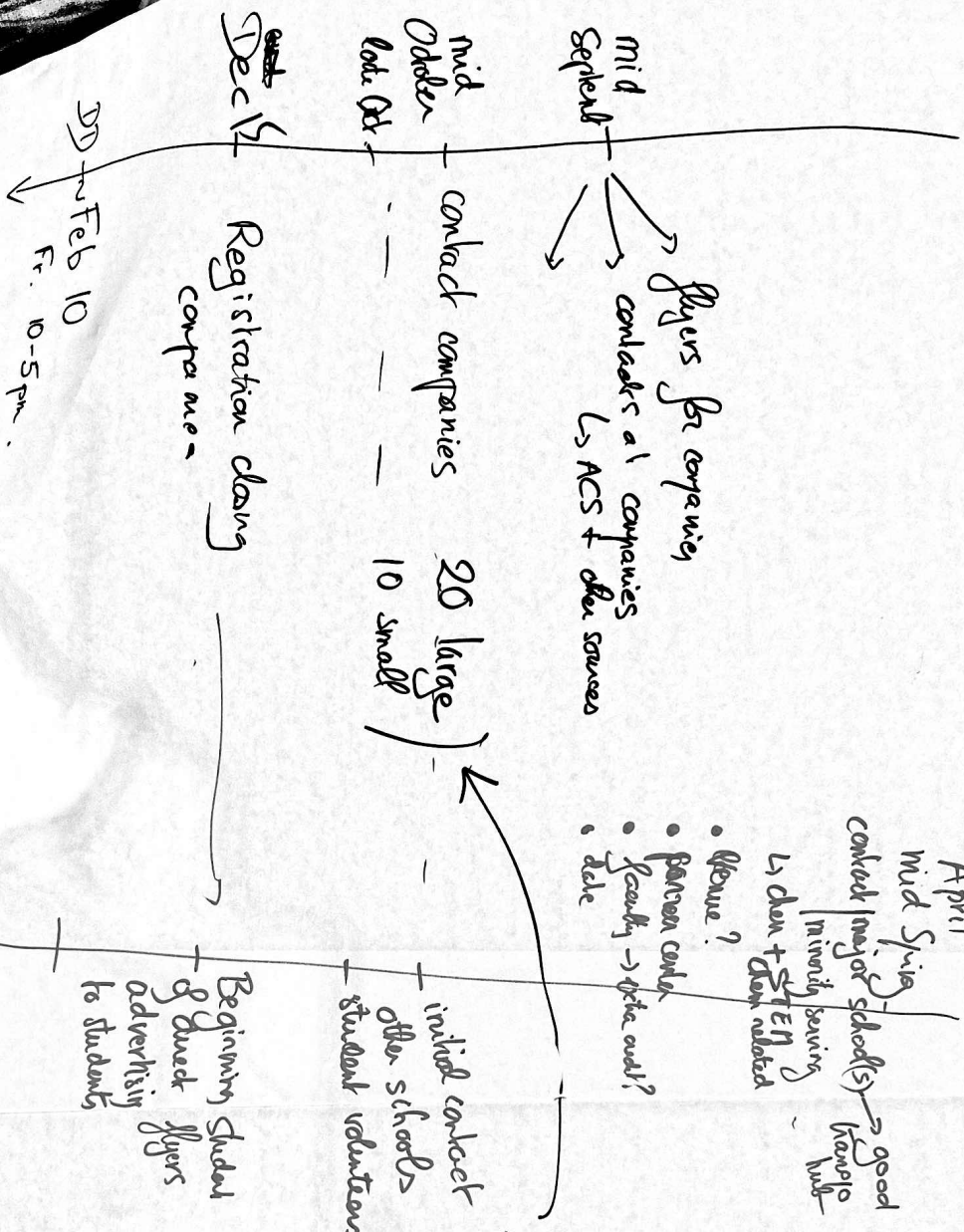
* **Grants**: IPG, DIER, multi-sectional collaboration of pooled resources

→ Division Collaborations: CINF, CHED, COMP

→ Committee Collaborations: (14-day Trial) Spartan (\$), Gaussian (\$)

* **Softwares**: Chemdraw (\$), Marvin Sketch (free), ChemSketch (free), Matlab (\$), Mercury (free), PyMOL (\$), Mnova (\$), Schrodinger (\$\$\$), Reaxys (\$)/SciFinder (\$\$), CSD (\$)

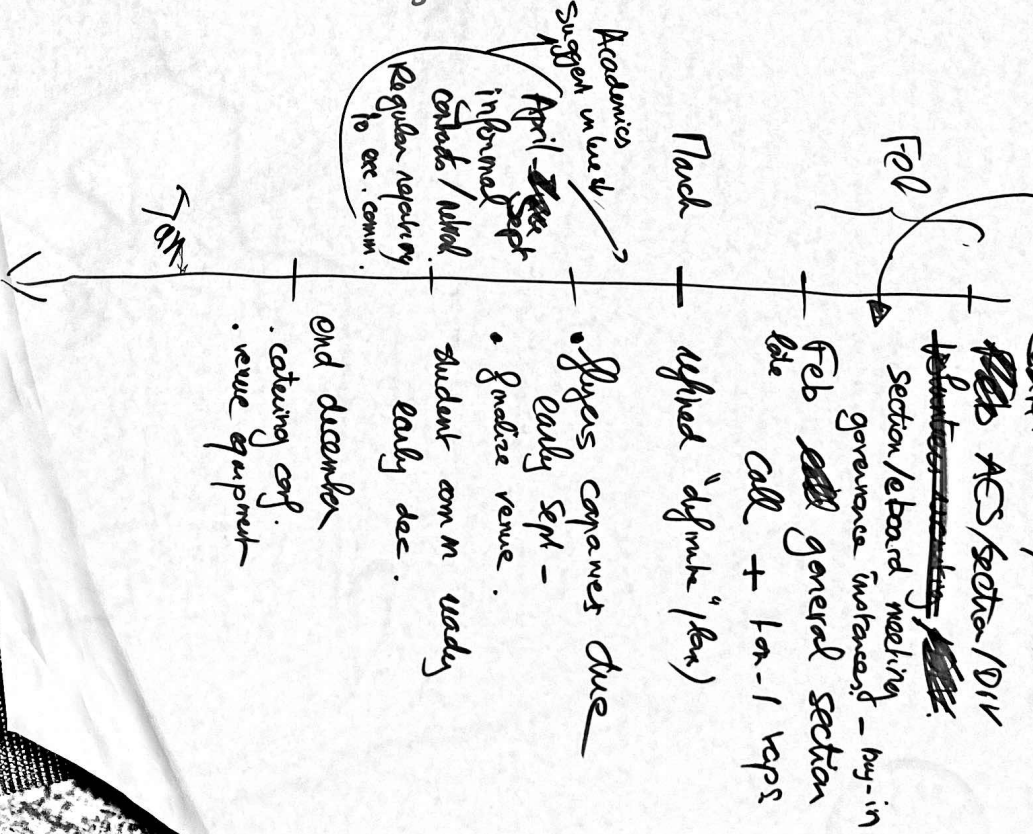
JOB FAIR



April
mid Spring
contact major school(s) → good example
↳ don't + STEEN
↳ don't + don't related
• revenue?
• person contact
• faculty → fix the audit?
• date

initial contact other schools
student volunteers
Beginning student flyers advertising to students

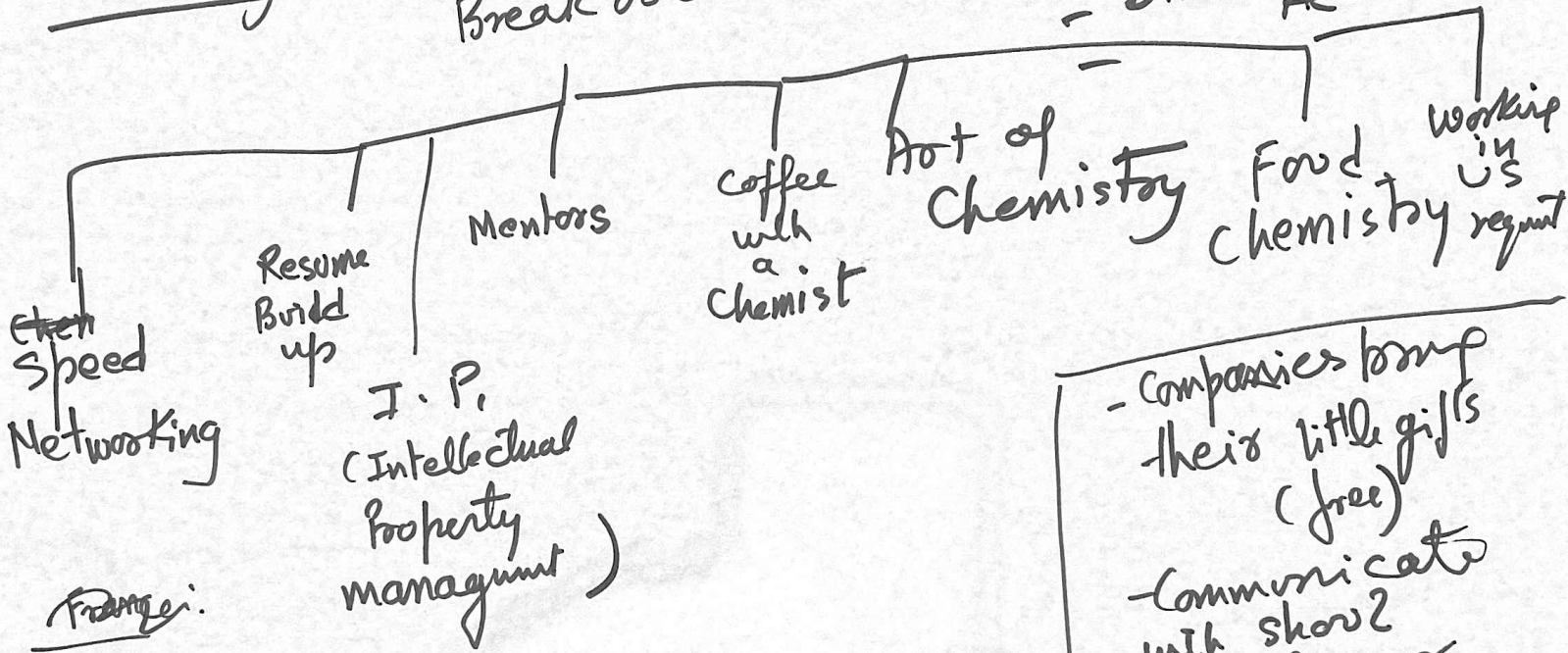
Rough Plan
ACS/Insura?
Plan



- Company Presentation for jobs
 Feb (good for Summer Internship)
 Friday Afternoon

- Advertis
- Career Services

Industry - Academics Contractors at ~~(# 8 PM)~~
 Break out Room (10-5 PM)
 - Dinner at 5.30 - ACS



Franchise:

- Companies bring their little gifts (free)
- Communicate with school HR-Career Consultants
- open whole day
- Tables of Industry / Univ.
- Stay Subject Focus with Companies

- Subdivide above groups based on companies
- Industry

Table	2000\$
Table	1500\$
- ACS Volunteers - get

Table	1000\$
Table	500\$
- Dinner / others who opt to stay back
- Sponsors - schools to ~~pay~~ give space
- Companies to pay

- Table selling
 - swap bag
 - student chapter
 - volunteer
 - Breakfast



Event: The Chemistry of Everyday Life

Budget

Goals: To increase community and membership engagement by hosting at least 4 in-person events that demonstrate everyday chemistry concepts to a diverse group

Funding: DETR and/or LSAC grants, ACS Outreach grants, local business sponsorship

Event Outline: Welcome/Intro, 15-20 min. presentations, activity/demo, networking (1.5 hr. total)

Event Topics: Beer/wine, coffee, nail polish, paint, jello, firework, fall colors, hair dye, henna, baking, aromatherapy, ice cream, glassblowing, fire, pearls, gems, etc.

Budget

Registration: \$0 - \$10

Venue: \$0 - \$200 (max)

Food/Drinks: \$0 - \$400 (max)

Supplies: \$0 - \$300

Goal : Organize a day long
technician workshop

Target audience : 1) Undergrads
2) High School

Venue : ~100 participants
University Common
area

Speakers/Content :

Tentative Agenda

9AM 12 PM

1) Presentation → Day in the
Life of a Chem.

- Safety
- Lab-duties
- Research opport.
- Leadership opport.
- Presentatn/Travel opport.

Techie ☺

4-5 Speakers (~1 hr 30 mins)

Entry level / Mid-level / Senior

2) Panel Discussion → Open
Q & A

3) Resume building → come with
draft → build on
it.
~5 volunteers

4) Lunch (Provided)
(12 - 1.30 PM)

Ice-breakers / Kahoot / Mentee
Bingo

5) Speed Networking
^{Tech./Scientists} Speakers (5) + ^{Tech.} Volunteers (5)
on 10 Tables → Students move
around (1.30 - 3 PM)

6) Wrap Up (Survey)
Hand out Resources (linked in profile building)
job search, scholarships

Budget

No. of food boxes

~ 150

- 1) Venue → ~ \$ 250
- 2) Food → \$ 2250
- 3) Soft drinks → \$ 200
+ water
- 4) Gift for speakers → \$ 150
- 5) Printed Materials → \$ 200
- 6) Decorations (P. Booth, etc.) → \$ 200

8) Membership Giveaway New/Renewal (4)

- 9) — Pre-registration ^{w/} (incentivize) for RSVP
- Post survey (feedback + let us know your results)
- *Pics might be taken & shared with ACS)

10) T-shirts & Thank you notes for
Volunteers (15) \$150

IPG funded

(upto \$3500)

	<u>Can get</u>	<u>(Need)</u>
1) Food →	\$ 450	\$ 2250
2) Venue →	\$ 60	\$ 250
3) Membership →	\$ 180	\$ 720
4) Printed materials		

DEIR

ON SITE

Speaker = disabilities

- focus - work in chem = dis..
scientists

① Lab setting

② share stories

10/5
0

1. VISUAL

2. ~~mental~~ biochemical

3. hearing

4. physical

LOCATION - UNIV or college

local UNIV. stud.
AREA colleges, schools
HS, bachel.

- insurance (ACS)

grant ACS

Honorarium (speaker)

- public

- ACS member

timing

local session

apply (4) local institution \$\$\$

locate speaker - DEIR IPT (grant) speaker travel

speaker series

chem = disabilities (grant)

Funding

Honorary - local ACS
 grants - DEIR
 IPT
 Chem. & disabilities

Local disability networks

(example: Fed of Blind of CT
 State of CT Resources
 School of Blind, HtD, CT)

talk - location fees
 supplier

10:45 - 11:15 am
 Lab 1

11:15 - 11:25
 move

11:25 - 11:55
 Lab 2

12:15 - 1:30 Lunch/Networking

1:30 - 2:30

Endu

Undergrad/Grad
 Career Networking

- Saturday

8.30 Registration

9.30 speakers

Intro.
 VI/

10.30 - 10.45 - Break

10.45 → go to lab group

11 - Noon → Lab.

Science Trivia Night

- ~~Q&A~~ Audience: general public (15+) questions
- ~~Q&A~~ Location: Café/Family-friendly pub
- Goals: Increase community interest in chemistry/STEM and engage current membership, enhance trust in chemistry, advertise future events
- Time: March ²³ (before Earth Day) avoid religious holiday evening
- Timeline:
 - | month in advance: contact venue
 - > 2 weeks before: advertise/contact local chem teachers
student sections
social media (from venue)
- Logistics: drink tickets/deposit
start a #chemysterynight #scienceistrivial
reserve space \$0-300 food
talk to HS teachers for questions
gift card prize, door prizes
AN
- Budget: \$500 → Science Café?
SPG?

• People: Chair/Chair Elect → grants

Treasurer → \$

Secretary → venue/flyers/social media

ACS → 1/10 people

~~ACS~~ ACS → 5 people for questions

• Success

- Survey → incentivize

- pictures

- repeat questions → did they learn

- # of attendants over time

• Motivation

- fulfilling, fun



Coffee with a Chemist

- monthly theme based on hosting chemist
- Identify funding
 - Developing Trust in Science
- Identify venues
- Target Audience
 - Local Section Members
 - General Public (primary)
- Invitation
 - Digital Registration
 - social media through LS + host venue

tentative Schedule

- monthly

- alternate locations

- Theme ideas

batteries (CEW)

photography (NCW)

glassblowing

public health

soap making

agriculture

coffee

beer

wine

cheese

climate

environmental
plastics

adaptation

SMART Goal

- engage 50 general public / LSM
in discussions about Chemistry

Budget

\$100 per month

total: \$1,200

Feedback

QR code questionnaire



Table Top
Dry Erase Pad

Super
Sticky



Dry Erase +
Post-it® Easel Pad!

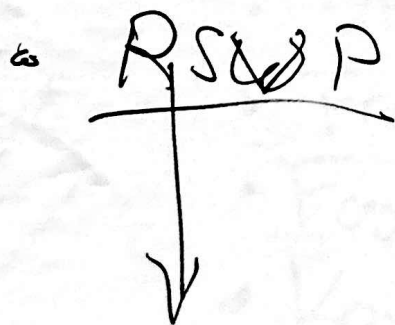
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(50.8 cm x 58.4 cm)



What's Next?

• Pathways ~~at~~ My Magical Chemistry Journey

- When: 2/14/2025 Fall in \heartsuit with
- Find your match - Chemistry
- Swipe Right on your Future \checkmark
- 20 Tables / Mentors / Opportunities
3X student participants
- Venue - Local University



Differences in the way we manage
MAY 2 1961

Budget

— income

• Industry Tables \$100

$\times 20$
\$2,000

• I PG

\$3,500

• Local Section

\$2,000

\$7,500

— Costs

• Marketing/Prizy

\$1,000

• Grad-students

\$1,000

• Travel costs

\$1,500

• Food

\$3,000

• Keynote speaker

\$1,000

\$7,500

Success Metrics

- student attendance $\geq \underline{60}$
- Mentor Tables ≥ 15
- Connections
 - Intern Placements ≥ 5
 - Contact Follow-up ≥ 100
 - job applications ≥ 30
internship
 - Grad school applications ≥ 30
- Survey
 - student + Mentor # response = 80%
- Go / NoGo

Local Section Track
Sunday Morning

Agenda:

8:30 - 9:00 AM
9:00 - 9:45 AM
9:45 - 11:00 AM
11:00 - 11:30 AM

Welcome and Agenda for the Day
Program Planning: Pulling it Together
Program Reports
Town Hall Meeting and Wrap-Up

January 28, 2024



Self-Stick
Table Top Pad

Super
Sticky

3M

Chemists Can Do Anything!

Goal: Provide inspiration, career counseling, and local support for a variety of options in the chemistry field.

Type: 3-Part Networking Seminar Series
w/ dinner provided

Audience: Students + Chemistry Professionals

Venue: Community College

Budget: \$1k/event (\$15 entry fee)
(\$5 students/seniors)

Communications: Email, Social Media, Phone Invites

Logistics: Volunteers from local section, VCC
Google Form for RSVPs

Timing: After work hours on Wednesday

Outreach to Elem. / M.S.

Teachers who are not trained in/as ~~Scientists~~ Chemistry

Old / New → Hands on Kits (\$)

- Do Kits with teachers to gain their trust and build confidence, ~~trust~~ relationships

~~176~~
176

\$

- Kits
- Food

Grant for ~~classrooms~~ (20+)
travel - continuing Ed. cert.
- surveys/follow up usage

Plan for 2024

Imp. Fall 2024



Dinner with Chemist (

- monthly (4 people industry, prof. HS teachers, student)
- purpose: engagement/recruiting

End of year collab. event

Budget: \$200 - \$250 monthly
\$1,000 annual
↳ food
↳ wine
↳

Planning:

- coordinate w/ committee
- use Roster (local section) email/social media/phone call
- Plan end of year event
↳ apply for grant

Timeline:

Chemistry of Food (Series)

Goals: Increase Engagement
Recruitment
12-30/event
Spread Location

Spring

Chemistry of Baking

- Owens CC Perrysburg
Decorating Cookies/Cupcakes
Family

Fall

Chemistry of Wine/Beer

Winery Swanton

Winter

Chemistry of Coffee

extraction

Lewis Commons Perrysburg

Grilling
- Distilling
- Condiments
* FUTURE *

Summer

Chemistry of Dinner?

Foodology Toledo ~ 12

- kids/families
- Date night
- girls dinner out

Cleveland Clinic /
Culinary medicine



Table Top Dry Erase Pad

Super Sticky



Dry Erase + Post-it® Easel Pad!

20 20 IN x 23 IN (50.8 cm x 58.4 cm)



High School Outreach: Poster Session w/ Undergrads

Goal: → Increase Highschool engagement with the local section/colleges.

Overview: ~4hrs Sat.

10am: Welcome!

- Bagels, Drinks, etc
- Mini Demo (tbd)
- ↳ safe / RAMP

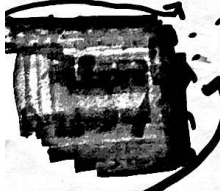
10:45am: Intros

- Nearby colleges

~11:00am: Poster Session

- group posters by type of chemistry

~12pm: Lunch → pizza?



Breakout

- 1:1 interactions
- ↳ passport idea !!

→ meet one person from each division

~1:45pm: Guest Speaker: Importance of Undergrad Research

→ after lunch

1:30pm: → after speaker

2:15pm: Wrap up !!

- Thanks

Budget ☺

IPG Grant, LSFC, DEER, Local Section, YCC

For: Travel for speaker, food, and lodging. 3 speaker costs.

- * Food
 - Lunch
 - Bagels → Snacks?
 - Drinks

- * Prizes?
 - Undergrad presenters.
 - contest for most interesting poster

* Gifts

* RSVP for food/attendance

→ maybe \$5 dollars to secure attendance.

- * ACS swag
- * Membership giveaway
- * Travel for other colleges (gas)
- * Survey?

Regional Industry - Academy

mentorship program

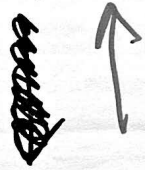
- Recruiting industrial & academic mentors, students (YCC & Alumni, ...), directors government lab
- give extra credits for students who join the events, (
- promote to ~~STEM~~^{STEM} non-chemist students
- hybrid events
- Plaque & award for mentors
- Promoting program using social media (LinkedIn), QR code & Speed-networking

measurable

- Survey participants
- How many students attend the events
- ~~the~~ follow-up surveys if they met (connection) in 6 months
- At least 50% students ^{still} have the connection
- LinkedIn
- Pro

Time: for all event (Sept Oct -)

May 24



Promotion (email, social media, ...)

April 24



Mentor applicants

March 24

#

Executive team meetings



Jan 24

Strategic Plan

UG Research Symposium

- 1 day (2 sections)

- Recycle a Poster

- Invite HS^{CC} teachers

cover ACS membership to attend
↳ virtual passport to network w/ faculty → Prize

- Collaborate w/ a division

- Use ACS directory for
Keynote

Saturday
February
~~September~~ (2nd week)

- Evaluations - Students + teachers
(QR codes Google forms)

- Volunteers

↳ Faculty, Graduate students, Industry members - voting

- IPG / Murdoch Trust group

- Lunch Pizza bar
Salad / GF

- Coffee / water

- Venue (university)

- Zoom room for hybrid (MEET Grant)
↳ larger sections / Streamed

- UG poster awards

- renting equip?
poster boards

- discount hotel HS

- Division Sponsor
1-2 speakers (travel)
↳ hybrid open to all

nexus Grant



Self-Stick
Table Top Pad

Super
Sticky



3M

Career Development

Resume Bootcamp

Target Audience 1: Senior undergrads ready to apply

Target Audience 2: Freshmen/Sophomore - what do I do?
(internship, undergrad res., outreach)

25 participants

Budget: Food - \$200

Venue - free

Speakers - Academic / Industrial / Government / HR

• Help from students chapters to advertise

Schedule

• Primary session + Q/A

• Separate into 2 tracks → brief presentation + workshop

• Break → Network lunch with one panelist per table

• Small groups 3 people to talk with panelists

• 1:1 Resume Review with ACS Career Consultant → do and don't

• Presentation from speaker - Keynote

• What jobs to apply for bachelor / Master

• Poster presentation after lunch

• Panel - speakers sharing journey + what they do

2nd Schedule

1. Panels with panelists from diverse career paths
↳ Academic, Industry, Government, HR screening

2. Break out session - Info on available positions

3. Lunch

4. Resume workshop - terminology, how sell yourself,

5. Poster Presentation