

Welcome!
Grab some coffee + snacks!



**UC Berkeley Expanding Your Horizons
Parent's Program March 9, 2019**



This Year's Panelists:

College Prep

Ashley Allston – College Track tutoring program

Ginnie Sadil – UC Berkeley Adviser and Outreach Adviser

Quincy Jones – UC Berkeley Admissions

STEM Activities

Lucy Jiang, James Park - youSTEM

Rachel Walsh - Lawrence Hall of Sciences

Sia Boima - Camp EDMO

Jennifer Gaspar-Santos - Girls Who Code

Paying for College

Gabrielle Turner – UC Berkeley Financial Aid Office

Alicia Hayes – Prestigious Scholarships Manager UC Berkeley

**UC Berkeley Expanding Your Horizons
Parent's Program March 9, 2019**



Panel Locations:

HFA B5 (not B2) – College Prep

HFA B1 – STEM Activities

HFA A1 – Paying for College

RED

- 1) College Prep
- 2) STEM Activities
- 3) Paying for College

Blue

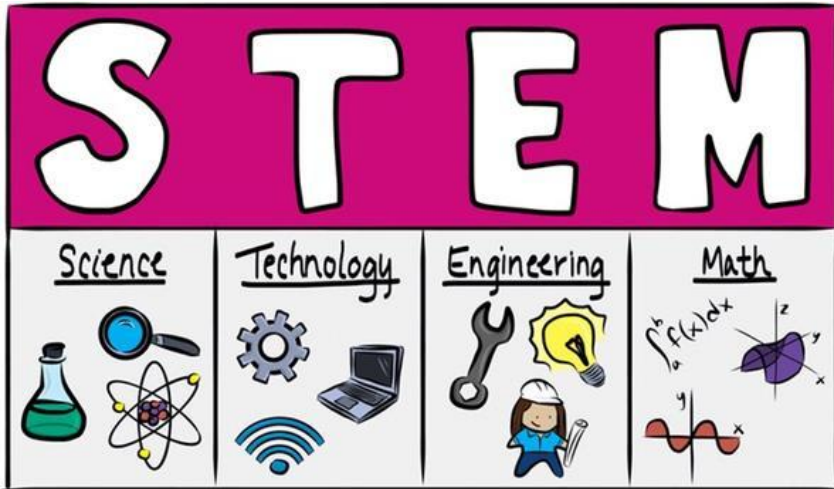
- 1) STEM Activities
- 2) Paying for College
- 3) College Prep

Yellow

- 1) Paying for College
- 2) College Prep
- 3) STEM Activities



What is STEM?



ANYONE can be a scientist:

Quote from Study of STEM fields:

“We have been researching issues of gender and STEM for more than 25 years, and we can say flatly that there is no evidence that women’s biology makes them incapable of performing at the highest levels in any STEM fields.”

Women filled 47% of all U.S. jobs in 2015 but held only 24% of STEM jobs

Women make up only about 30% of all STEM degree holders

We need diversity (of all forms) in STEM:

Companies with more diversity are better performers, and innovation thrives where diversity in the workforce is celebrated.

**UC Berkeley Expanding Your Horizons
Parent’s Program March 9, 2019**



Planning Committee Introductions:

Charlott Vallon
Mechanical Engineering



San Diego



Berkeley: B.S.



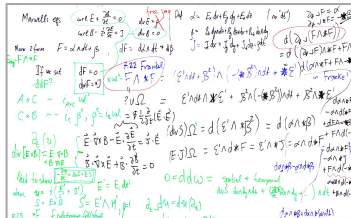
Zurich: M.S.



Berkeley: Ph.D.

What I wish I'd known:

STEM
≠



Mechanical engineering
≠



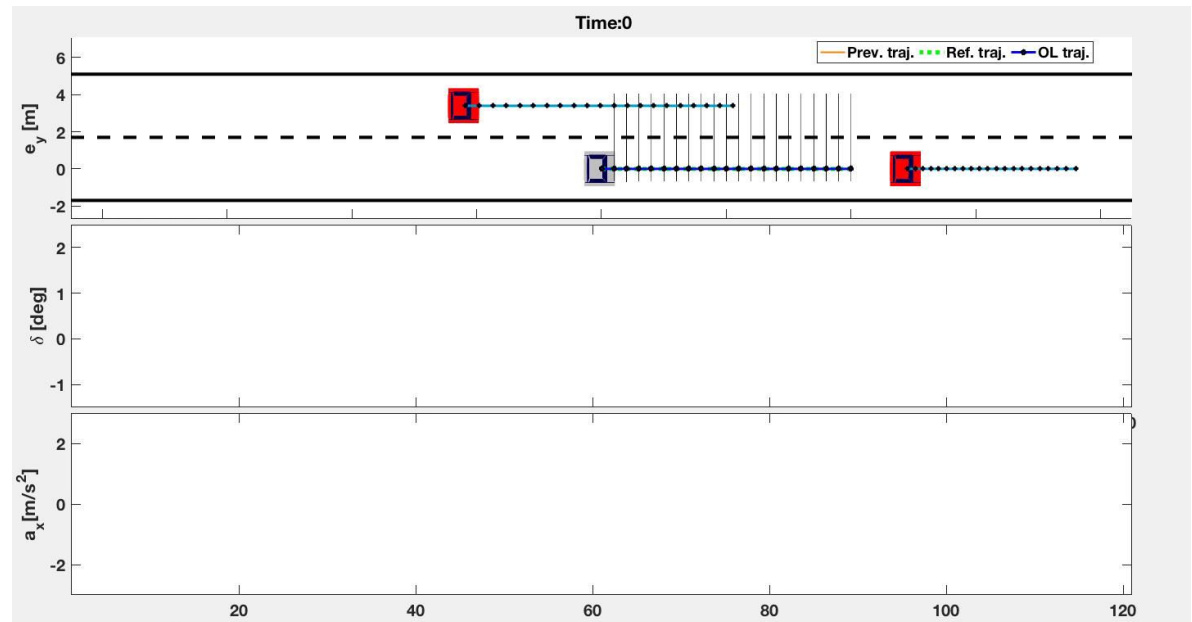
**UC Berkeley Expanding Your Horizons
Parent's Program March 9, 2019**



Planning Committee Introductions:

What do control engineers do?

- Physics
- Psychology
- Machine learning
- Data collection
- Sensor integration
- **Make things safe**



UC Berkeley Expanding Your Horizons
Parent's Program March 9, 2019



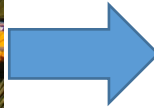
Planning Committee Introductions:

Jasmine Graham



**Hometown:
Cypress, CA**

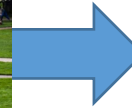
AP classes
Community College
Science outreach
Summer research intern



W UNIVERSITY of
WASHINGTON

B.S. Bioengineering

Research scholarships
Stipend for research job



 **Berkeley**
UNIVERSITY OF CALIFORNIA

**Ph.D. Student
Bioengineering**

Free Tuition
Paid Stipend
Classes/Research

**UC Berkeley Expanding Your Horizons
Parent's Program March 9, 2019**

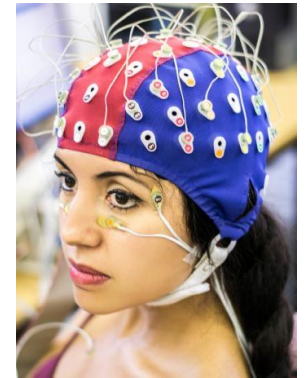
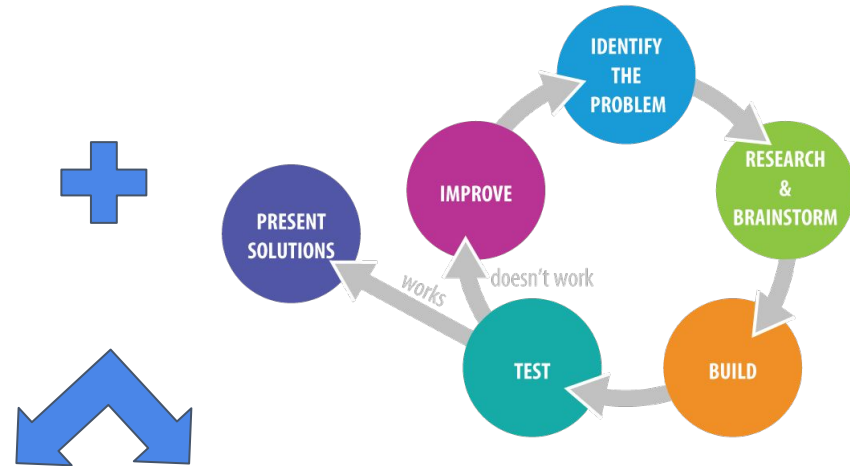


Planning Committee Introductions:

What do Bioengineers Do?



ENGINEERING DESIGN PROCESS



UC Berkeley Expanding Your Horizons
Parent's Program March 9, 2019

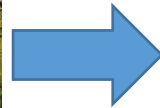


Planning Committee Introductions:

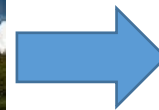
Lauren Cox



**Hometown:
Florence, Alabama**



**B.S. Environmental
Science
M.S. Geography**



Berkeley
UNIVERSITY OF CALIFORNIA

**Ph.D. Student
Environmental
Science, Policy, &
Management**

**UC Berkeley Expanding Your Horizons
Parent's Program March 17, 2018**



Planning Committee Introductions: What do Foresters Do?



**UC Berkeley Expanding Your Horizons
Parent's Program March 17, 2018**



Planning Committee Introductions:

Shanna Hays



**Hometown:
Tucson, Arizona**



 **THE UNIVERSITY
OF ARIZONA®**
**B.S. Mechanical
Engineering**
**M.S. Material Science
and Engineering**



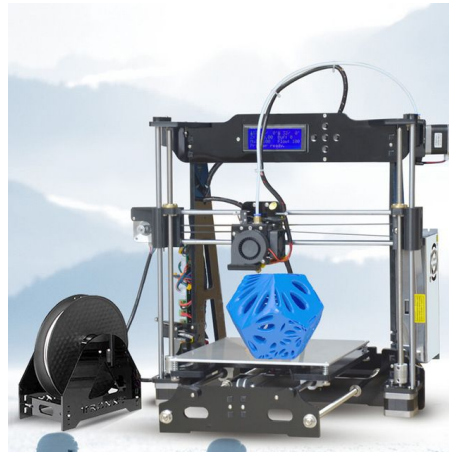
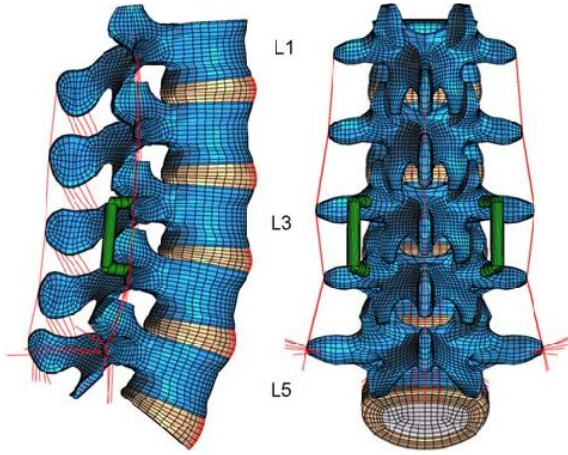
 **Berkeley**
UNIVERSITY OF CALIFORNIA
**Ph.D. Student
Mechanical
Engineering**

**UC Berkeley Expanding Your Horizons
Parent's Program March 17, 2018**



Planning Committee Introductions:

What do Mechanical Engineers Do?



UC Berkeley Expanding Your Horizons
Parent's Program March 17, 2018



Planning Committee Introductions:

Jeannie Wilkening



**Hometown:
Tucson, Arizona**

AP Courses
Academic
Decathlon
Science Olympiad
Orchestra



**BS Chemical
Engineering**

National Merit &
Private
Scholarships
(Tuition + stipend)



**MPhil Earth
Sciences**

Churchill
Scholarship
(Tuition + stipend)



**PhD Student
Environmental
Engineering**

NSF Graduate
Fellowship
(Tuition + stipend)

**UC Berkeley Expanding Your Horizons
Parent's Program March 9, 2019**



Planning Committee Introductions:

What do hydrologists do?

Field studies



Water cycle



Managing water resources



Reducing flood risk

Computer modeling



Drought impacts

UC Berkeley Expanding Your Horizons
Parent's Program March 9, 2019



Planning Committee Introductions: Katerina Tsou



**Hometown:
Hong Kong**



**B.S. Environmental
Engineering**



**PhD student
Environmental
Engineering**

Science Courses
(Biology, Chemistry,
Physics, and Calculus)

Undergraduate research
experiences

NSF Graduate
Fellowship
(Tuition + stipend)

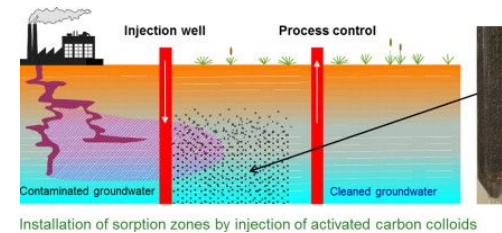
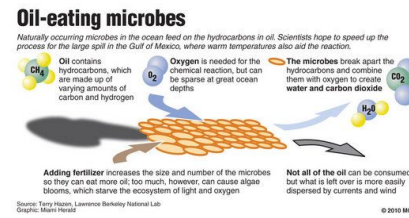
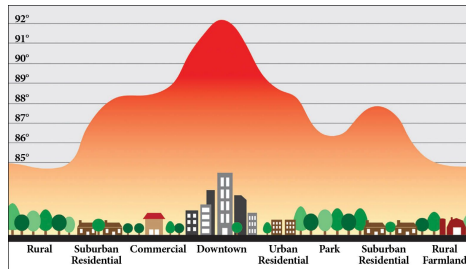
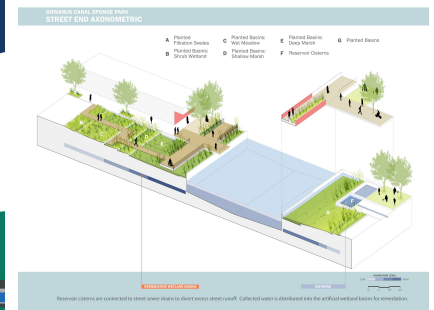
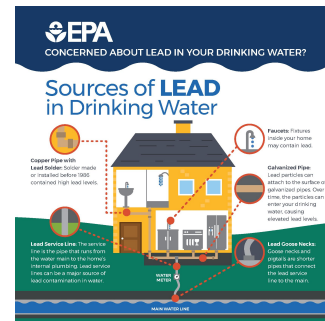
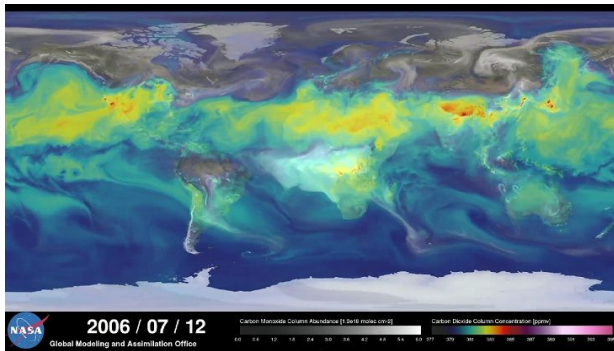
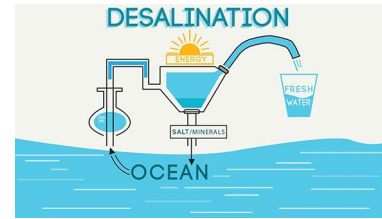
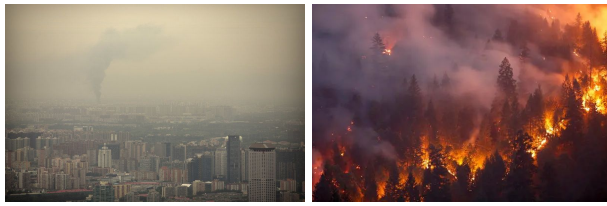
**UC Berkeley Expanding Your Horizons
Parent's Program March 9, 2019**



Planning Committee Introductions: What is environmental engineering?

Atmosphere

Water/Solids/ Biology



UC Berkeley Expanding Your Horizons
Parent's Program March 9, 2019



Panel Locations:

HFA B5 (not B2) – College Prep
HFA B1 – STEM Activities
HFA A1 – Paying for College

RED

- 1) College Prep
- 2) STEM Activities
- 3) Paying for College

Blue

- 1) STEM Activities
- 2) Paying for College
- 3) College Prep

Yellow

- 1) Paying for College
- 2) College Prep
- 3) STEM Activities

