



SAGE 2YC

2yc Faculty as Agents of Change

Infusing Career Information and Preparation Into Your Teaching

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Session Overview

- Micro-presentations (1 minute each)
- 1st Q & A Session with presenter of your choice
 - Project description by presenter
 - Q & A time
 - Quiet time to write on discussion board
 - Short follow up time for remaining questions
- 2nd Q & A Session with presenter of your choice



SAGE 2YC

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Career mentoring workshop – Karen Layou

Capitalize on meetings already in place (field conference, local research symposia)

Bring together 2YC/4YC students and geoscience professionals

Resume writing skills

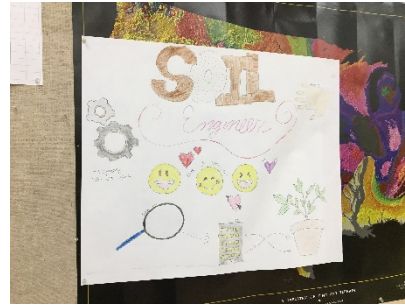
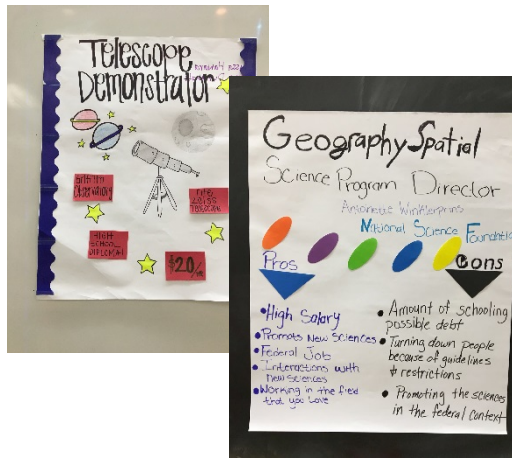
Q&A sessions provide exposure to realities of geoscience careers



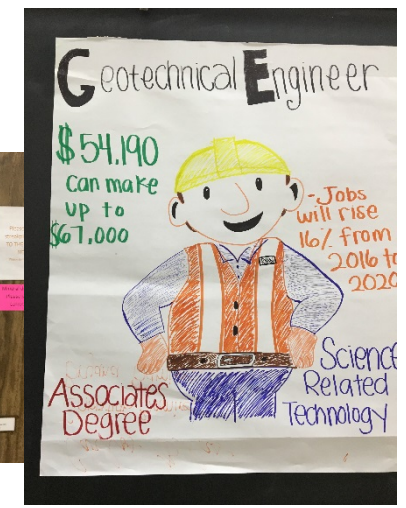
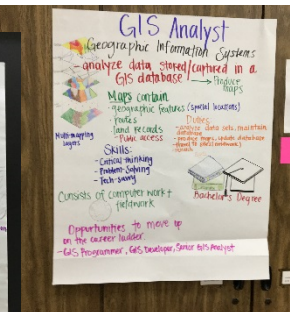
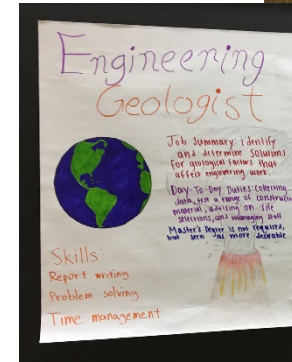
Gretchen Miller – North Carolina

- **On-Campus Geology Club**
 - Student Chapter of the Association of Environmental and Engineering Geologists (AEG)
- **Mentor Students on Multiple Levels**
 - Student-faculty, student-student, student-community
- **Leverage Local Institutional Partnerships**
 - Provide quality research experiences for students at NC State University and NC Museum of Natural Sciences
 - Support students financially during research experience
 - Students also participate in outreach and professional socialization activities

Four Part Career Project



Elizabeth Nagy-Shadman

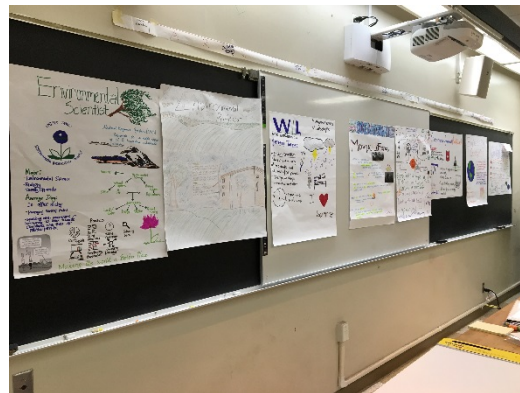
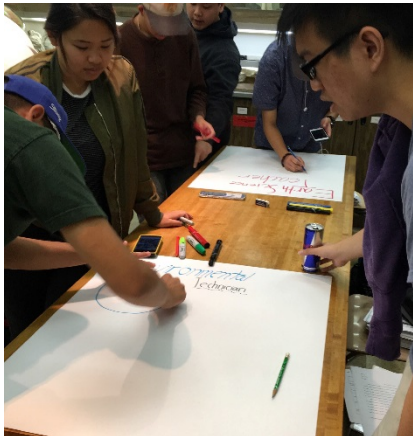


Part 1. INDIVIDUALS. Research four geoscience careers with four different degree requirements

Part 2. TEAMS of THREE. Share, rank, support, and write interview questions.

Part 3. INDIVIDUALS. Interview.

Part 4. TEAMS of THREE. Create a poster in one hour and give 3-minute presentation.



Career Awareness and Training at Suffolk County Community College

Summer Institute

Focuses on one discipline per week. Participants work with local professionals to investigate environmental issues facing communities, how individual disciplines are linked, and learn about the different professions involved in the work.

Teacher Participants

Pre-Institute:

Only 50% perceive jobs to be available

Post-Institute:

100% perceive jobs to be available



Career Infused Courses

When introducing topics, faculty discuss the societal importance of and career options for specific areas

Resume Writing/Skills Inventory

Allows students to evaluate their career readiness, take ownership of acquired skills and knowledge, and focus on skill development.

Internships/Career Assistance

Internship opportunities posted on informational boards and specifically directed to majors.

Post-graduation faculty work with students to identify employment opportunities and provide guidance and references.

Skills Training

Full-day workshops provided each month. Students learn specific skills while investigating current issues in geoscience. Programs Include:

- Climate Change and Local Ecology
- Marine Mammal Necropsy
- Excel for Scientific Analysis
- GIS
- Numerical Weather Prediction
- Surveying
- Geophysical Methods

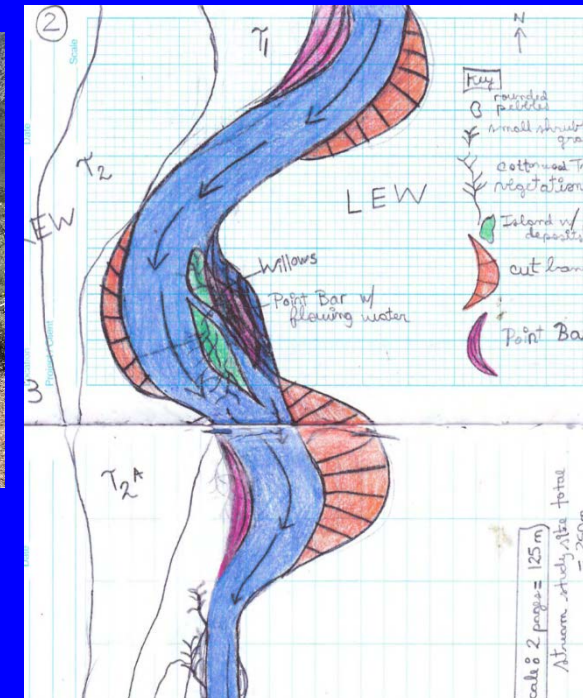
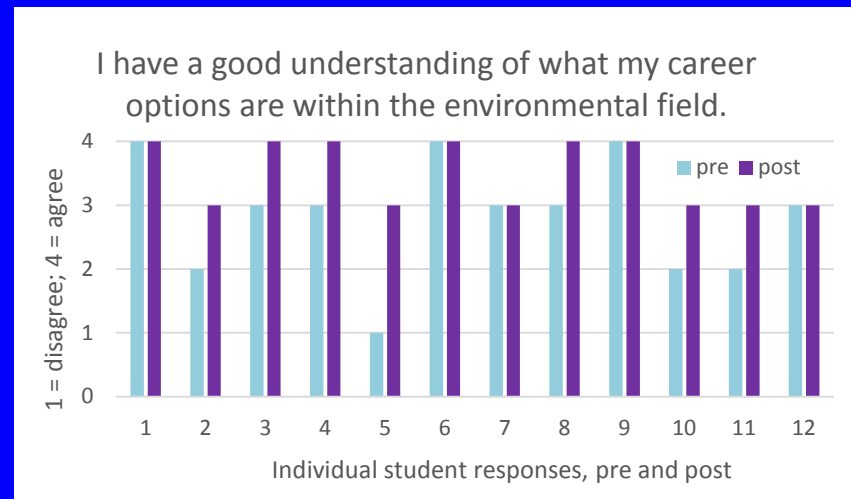
Students involved in our Ambassador program also receive 40hr HAZWOPER Certification.



ESTEM: an environmental field and career prep program

Becca Walker (Mt. SAC), Sarah Hall (COA), Calla Schmidt (USF), John Paul (USF)

- ✓ **Who:** students and faculty from Mt. SAC, College of the Atlantic, University of San Francisco and environmental professionals (“stakeholders”--examples below)
- ✓ **What:** geology, geomorph, hydro, and ecology field projects and opportunities to interact with stakeholders
- ✓ **Where/when:** 2017 and 2018; on-campus component and Sierras field program



Academic Café

- Karen Layou – **Career Mentoring at Pro Events**
- Gretchen Miller – **Student Chapters of Pro Organizations**
- Elizabeth Nagy-Shadman – **Career Project within Your Course**
- Sean Tvelia – **Career Intro within Summer Institute (& courses)**
- Becca Walker – **Env Field Program Building Student Skills**