Multicultural Training Breakout Session:

*Topic: Pre-College Programming*

**Summary of Bold Steps and Actions**

*Facilitator:* Sara Hernandez *(Cornell University, IBP)*  
*Discussion Leaders/Summarizers:* Liesl Hotaling *(CCO)* & Elizabeth Vernon-Bell *(COSEE-SE)*

**Near-term Actions and Bold Steps**

- **Scaling-up local and tailored activities -**
- **Expanding dialogue -** Scientists, community, elders, etc.

**Move current programs to next steps by engaging parents and others –**

Example: Elizabeth Vernon Bell’s *(COSEE-South East)* pilot program focusing on elementary schools in Charleston, SC. Both schools have low socio-economic demographic and high percentages of African American students. By reaching out to the parents in years 2 and 3 of this project (we are completing year 1 now), we might deepen the impact and exposure to ocean sciences to these underrepresented audiences.

- **ID and expand partnerships to leverage resources (SACNAS/ASLO/IBP etc)**

COSEE NCO has a existing relationship with SACNAS, Corey Garza is a wonderful advocate. It would be great to continue to build this relationship; It will take education of the board and elders within that community to recognize ocean sciences as a worthy intellectual pursuit before we can make real gains within the SACNAS community. Plus there are many other organizations out there that can assist.

- **Put yourself out there! Learn from other fields/disciplines.**
  - More Details: This comment was in reference to Sharon Walker’s *(COSEE GOM)* comment about having attended an environmental justice meeting and trying to explore alternative avenues to gain perspective and support for the field.
  - Perhaps environmental justice route is one COSEE should explore, and would start to link in the legal community as well. The theme is a great hook to engage students, and could lead to greater understanding by citizenry of damage being done to the ocean damages ourselves.

- **Local partners- building blocks**
  - More Details: This comment was in reference to looking to corporate opportunities for funding (ie: company offering to match an amount raised).
  - Also, there is the opportunity to involve local churches and communities surrounding schools. For example *(from Elizabeth Vernon Bell, COSEE-South East)*, there may be one school that has a strong relationship with a neighborhood church. In EV’s program, this church raised money each year so that each student in the elementary school could attend four field trips per year.
Educational department – State specific resources
• More details: Encouraging people to investigate funding and support offered through various school districts and state education departments

Toolkit Development – pilot involving technology and engineering
• In reference to research and activities already underway by the engineering community with reaching out to underrepresented audiences