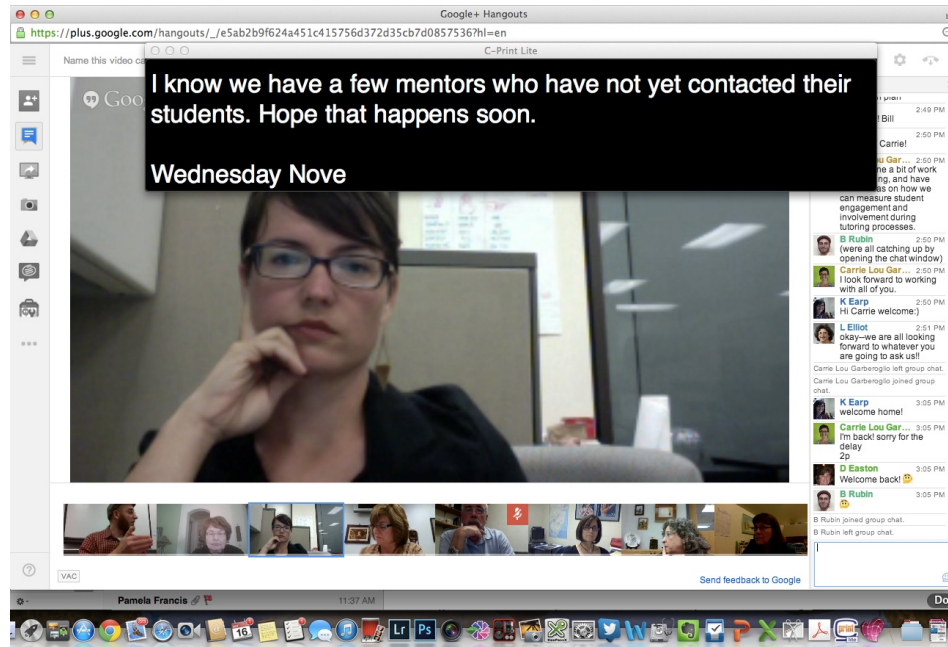# Effective Practices in STEM with C-Print=ADAPABILITY!

- In STEM courses, instructors often use multiple visual displays—it's important to be able to integrate the text display with other displays—e.g. "float" text on top of a PowerPoint display
- C-Print started as a text-based display; STEM information is graphical as well—software adapted to be used on tablets
- STEM courses often require mobility and/or tables full of equipment—C-Print was adapted to be displayed on mobile devices as well as laptop computers.

Floating C-Print

The picture at the left shows C-Print text in white in a black background box "floating" on top of a Google+ Hangout

C-Print

For more information on C-Print:

http://www.rit.edu/ntid/cprint/

Deaf STEM Community Alliance

- Initiated in Fall 2011 (NSF HRD-1127955)
- Goal – to build a model virtual academic community that supports the academic success of students who are deaf or hard of hearing (D/HH) in STEM majors
    - "Model"= incremental + iterative design

Deaf STEM Community Alliance

- Program addresses three critical barriers for D/HH students in STEM with these activities:
  - Student preparation (remote tutoring)
  - Socialization (remote mentoring & social media community)
  - Accessible media (STEM resources & social media community)

Deaf STEM Community Alliance

- Virtual Academic Community Infrastructure
  - Website
  - YouTube Channel
  - Email channel
  - Google+ Hangouts platform
  - Google+ private community

Deaf STEM Community Alliance

- ## What we've learned
  - ### Student preparation & remote tutoring:
    - One needs to have colleagues who are willing risk takers in adopting new technology for teaching
    - Many ways to use technology for remote tutoring, both synchronous and asynchronous
  - ### Socialization:
    - Students need encouragement to use social media for educational purposes
    - Members need encouragement and training to actively participate

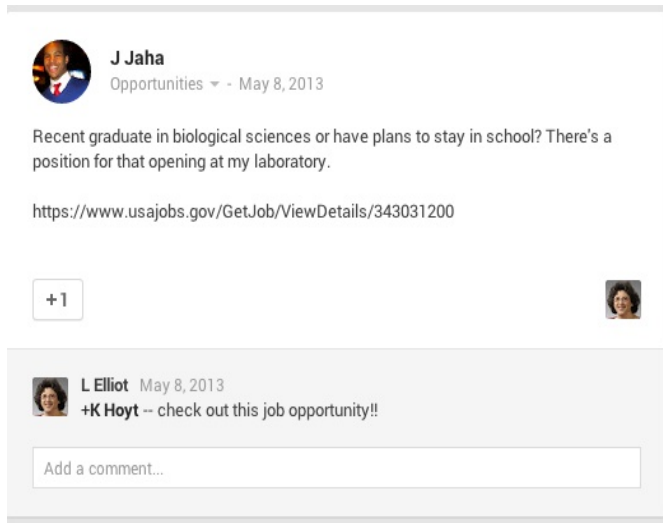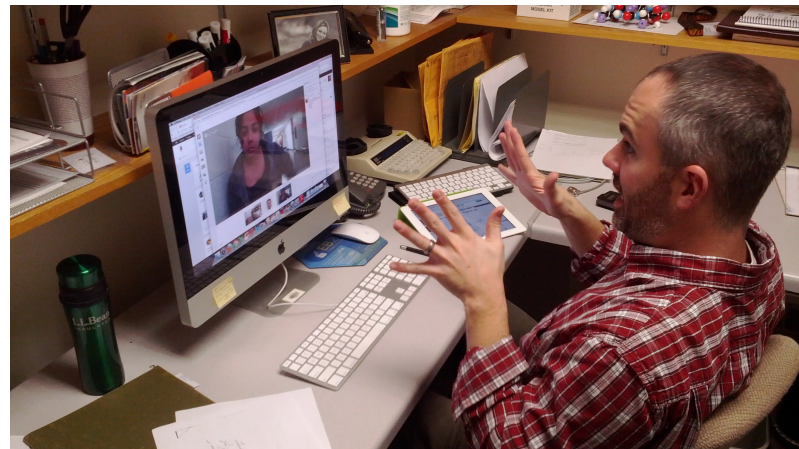# Deaf STEM Community Alliance Activities

Photo below is an example of a synchronous remote tutoring session. The tutor is sitting in his office at his desk and the student is talking with him using Google+ Hangouts.

Photo above is an example of a posting in the Google+ private community from a mentor about a job opportunity.

Deaf STEM Community Alliance

For more information about

the Deaf STEM Community Alliance visit:

http://www.dhhvac.org