Expert Jigsaw 2

PEERs Seminar

Week 8
Announcements

• Any examples to share?
• PEERs Leaders
• Final project reminder
"Many scientists, I think, secretly are what I call 'boys with toys,'" he says.


http://www.slate.com/articles/health_and_science/science/2015/05/girls_with_toys_on_twitter_feminist_hashtag_shares_images_of_women_doing.html
## FULL TIME UNDERGRADUATE FEMALE ENGINEERING STUDENTS
### GRADUATING WITH A DEGREE IN ENGINEERING

<table>
<thead>
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<th>DISCIPLINE</th>
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Leaders Activities

• 23 PEERs Leaders
• 43+ presentations, 900+ people reached
  – STEM Bridge (incoming first year students)
  – Math Academy (rising HS seniors)
  – EURP (current engineering undergrads)
  – WISE Conference (HS – professionals)
  – ENGR 100 (generally first year students)
  – Engineering for Society seminar (first year students)
  – All-College mtg.
  – S-STEM mtgs.
  – Community Colleges

• Outreach Activities
  – Tabling
  – Facebook
  – Engr. Discovery Days

www.engr.washington.edu/peers
Final Presentations Reminder

5-8 minute presentations in pairs or individually

Requirements:
1) Present two topics covered in class.
2) At least one topic must be a non-expert topic.
3) Customize to what you found most compelling.
4) Include strategies for creating an inclusive culture in engineering.
5) Everyone must present for about equal time.
PEERs Leaders Rap: Fresh Prince of UNfair
Final Presentation Logistics

• Materials due to us Thursday June 11th at noon

• Next week: Identify partners by May 28th (or let us know before if you want help finding one)

• Must sign up for a 15-minute check-in and practice session with one of the instructors: https://calendly.com/peersengr401/15min
Week 8 Outline

• Expert group discussion best practices
• Expert Groups
• Co-teachers
• Homework: Peer Feedback WebQ
Expert Group Discussion Best Practices

• **Follow discussion ground rules**
• **What else?**
Expert Group Goals

• TEACHING GOAL: Teach the topic to home group members well enough that they would be able to teach the topic to another person.

  Stories + Concepts

• DISCUSSION GOALS
  1. Select an example or story to illustrate the topic
  2. Provide a definition of your topic and Answer the specific topical questions
  3. Answer the general question “What about your topic would be most useful to share with engineers?”
Expert Group Work

• Part 1: 10 minutes
  – Get to know your expert group members

• Part 2: 20-30 minutes
  – Discuss overall impressions
  – Complete worksheet

• Part 3: 20 minutes
  – Plan teaching strategy for next week

• Part 4: 20 minutes
  – Connect with co-teacher from other expert group
Part 1: Introductions

• Write down names of other group members (will need this for peer evaluation homework)
• Share something about yourself
• Share your favorite engineering class
Part 2: Expert Group Worksheet

• Define your topic
• Cultural artifact, story, or anecdote
• Connect story to research findings
• Discuss individual articles – what was most compelling and useful to teach topic to others?
• Describe experiments and findings
• Why does this matter to engineering?
Part 3: Planning to Teach

• How will you define the topic?
• What story will you use to make the topic relevant?
• How will you connect the story to the research findings?
• What are the key ideas?
• Why is this important to engineering?
• What do you need to review before next week?
Part 4: Co-teachers

- Compare notes
- Share/exchange potential teaching plan
- Exchange contact information
- Strategize how will co-teach topic next week
Assignments for Week 9

• Select your final presentation partner if applicable
• Prepare to teach your expert topic to your home group
  – Meet with your co-teacher if necessary
• Review expert topic readings as necessary
• Homework: Peer Feedback WebQ (you can find this link on your syllabus)
  https://catalyst.uw.edu/webq/survey/peers/83684)