

Jigsaw Model

Three Topics

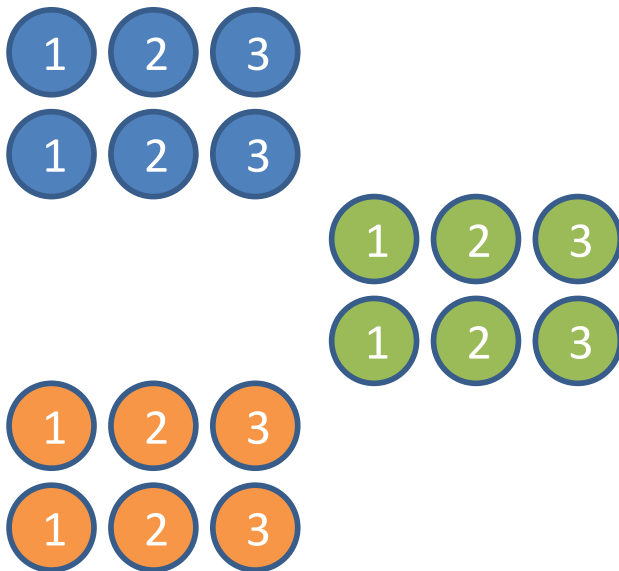
Readings and discussion framed next week's topics

1. Implicit Bias
2. Stereotypes and Belonging
3. Biology and Socialization (Nature versus Nurture)

Jigsaw Intro

Expert Jigsaw Model for Small Group Work

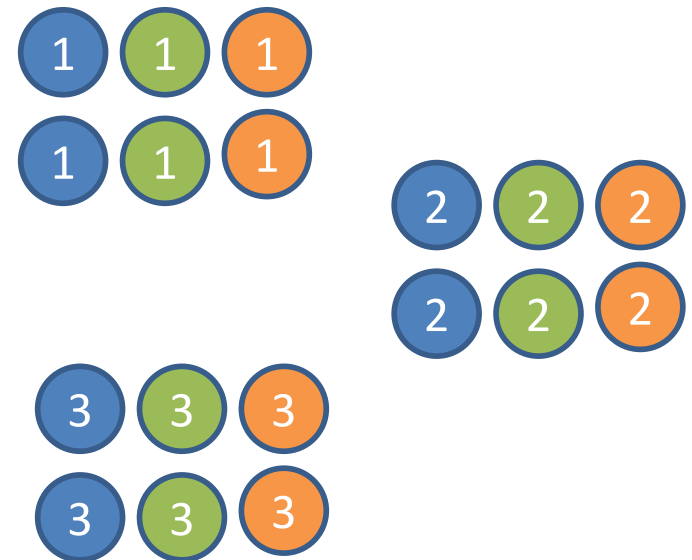
Home Groups



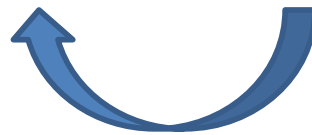
LEARN



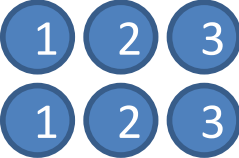

Expert Groups



TEACH



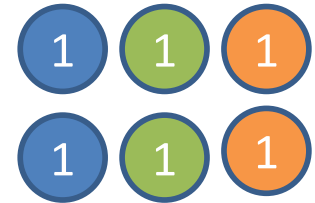
Expert Jigsaw Model

- Each person will have a home group 
- Home groups will send representatives to expert groups 
- Each expert groups will read a set of articles and become the experts on that topic
- The next class, convene in home groups and teach your home group about what you learned in the expert groups

Expert Group Goals

- TEACHING GOAL: Teach the topic to their home group members well enough that the home group members 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 (next week)



- Before class
 - Read same set of articles and bring to class
 - Submit assignments related to readings via Catalyst
 - Prepare to discuss questions specific to your topic
- In class
 - Gather by expert topic
 - 4 discussion goals
 - Determine what from your topic you will present to your home group. Will have 5-7 min to present your topic
- **Follow discussion ground rules**

Jigsaw: Expert Day

Expert Group Goals

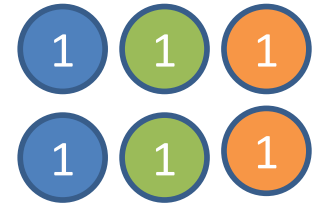
- **TEACHING GOAL:** Teach the topic to home group members well enough that they would be able to teach the topic to another person.
Stories + Concepts
- **DISCUSSION GOALS**
 1. Select an **example or story** to illustrate the topic
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Expert Groups

Implicit Bias/Individual Bias Group #1	Stereotypes and Belonging Group #1	Biology and Socialization (Nature vs. Nurture) Group #1
A1	F1	K1
B1	G1	L1
C1	H1	M1
D1	I1	N1
E1	J1	O1

Implicit Bias/Individual Bias Group #2	Stereotypes and Belonging Group #2	Biology and Socialization (Nature vs. Nurture) Group #2
A2	F2	K2
B2	G2	L2
C2	H2	M2
D2	I2	N2
E2	J2	O2

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: 10 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 career aspirations

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

Implicit Bias

A1 & A2
B1 & B2
C1 & C2
D1 & D2
E1 & E2

Biology & Socialization

F1 & F2
G1 & G2
...
J1 & J2

Stereotypes & Belonging

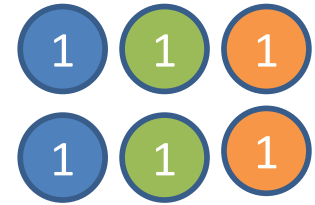
K1 & K2
L1 & L2
...
O1 & O2

Next Week's Assignments

- Prepare to teach to home group
- Review expert topic readings as necessary
- Homework:
 - Peer Feedback WebQ (See link on Canvas)
 - Final Project Preview writing prompt: Imagine you are a new CEO of an engineering company. Discuss three ideas that you would do to make your company culture welcoming and inclusive of women, racial minorities, and people with disabilities.

Jigsaw: Home Day

Home Group Work



- Part 1: 10 minutes
 - Get to know your home group members
 - Write down names (for peer evals)
- Part 2: 60 minutes (2 topics before break; 1 after)
 - Complete worksheet
- Part 3: 10 minutes
 - Discussion debrief and Q&A
- Part 4: Turn in worksheet

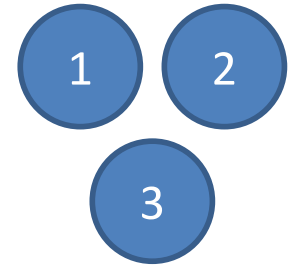


Jigsaw Home Group Assignments

Group #1	Group #2	Group #3
A1	B1	C1
A1	B2	C2
F1	G1	H1
F2	G2	H2
K1	L1	M1
K2	L2	M2

Group #4	Group #5
D1	E1
D2	E2
I1	J1
I2	J2
N1	O1
N2	O2

Home Group Work (today)



Co-teachers meet for 5 minutes

Each topic will be explored for 20 minutes

1. Topic experts will take 10-15 minutes to teach the rest of their home group about the topic
2. 5-10 minutes of Q&A and discussion with the topic expert

Non-experts' job: **ask questions of your expert** so you can understand the topic well enough to be able to teach the topic to someone else

For your final presentations, you can draw on what you learn in your home groups about what makes a difference

Follow discussion ground rules