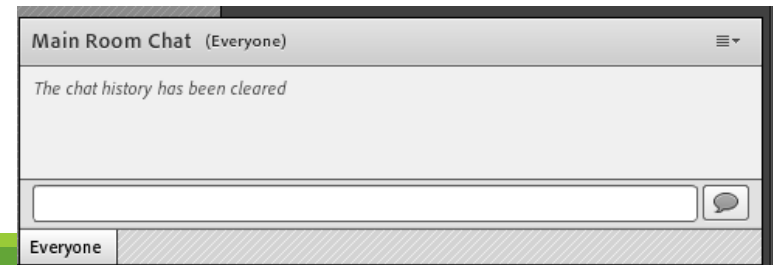
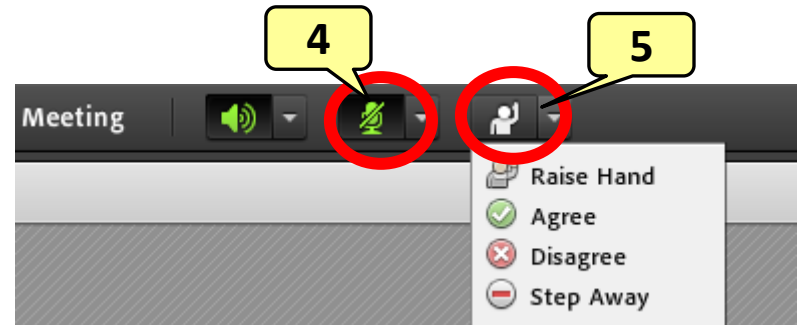
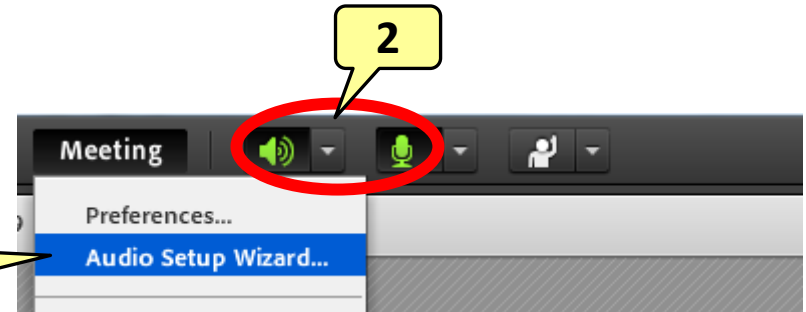


Welcome! Every time you enter the VCP.....

1. Enable your speakers and mic
2. The top bar icons should be green.
3. Run the audio setup wizard (use "Meeting" menu on top left).
4. After testing your mic, mute yourself



Start Recording

Faculty Virtual Community of Practice Mechanical Engineering

Session 2: Pedagogies of Engagement

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Tentative Agenda

Welcome and learning objectives (5 minutes)

Brief Review of Pedagogies of Engagement (15 mins)

Group Breakouts- discuss assignment (15 mins)

Report out (20 mins)

Breakout & Open Discussion- Challenges for Active Learning & Solutions (20 mins)

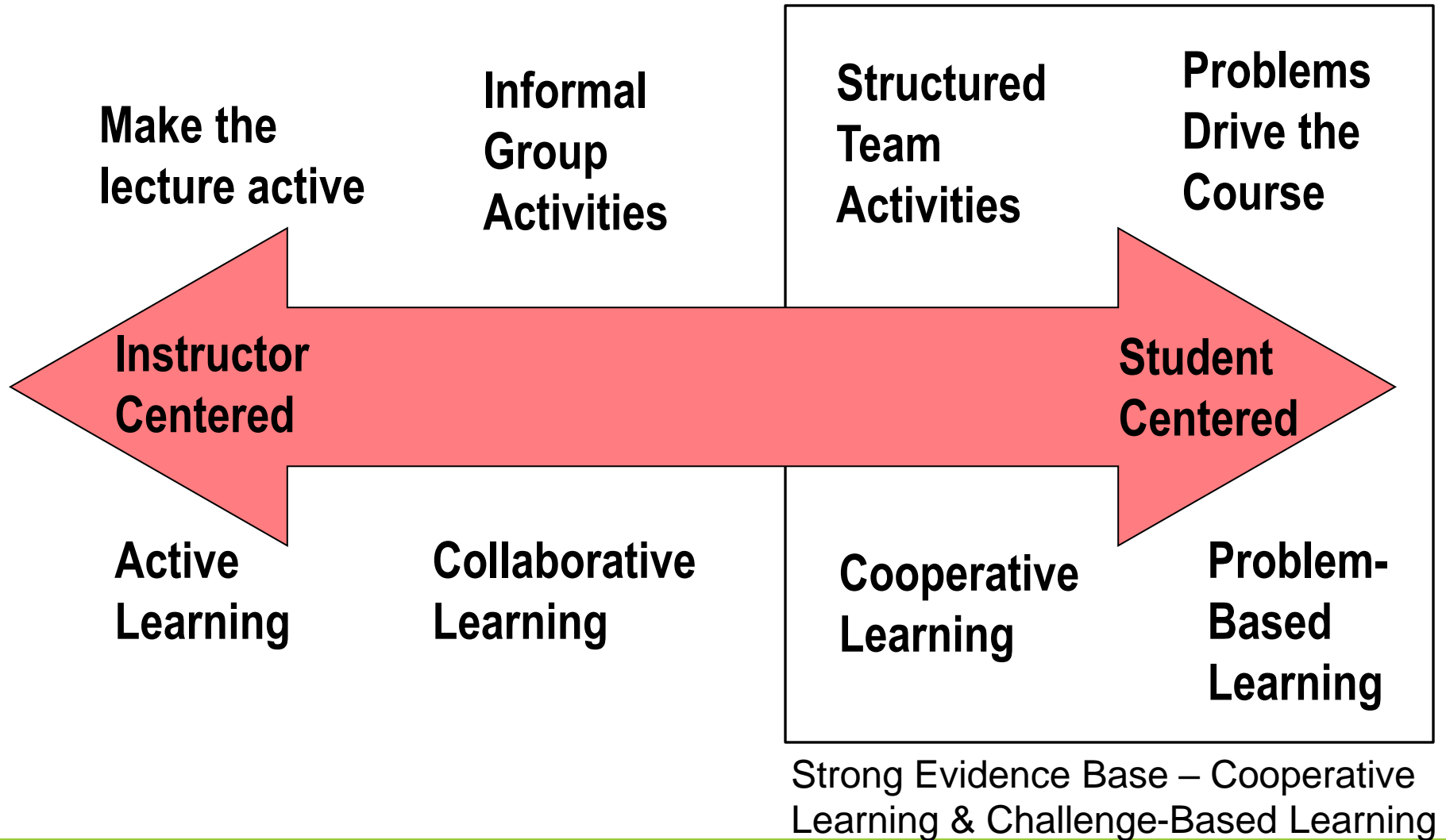
Poll Question & preparation for next time (2 min)

Session 3: Learning Objectives

Describe key features of pedagogies of engagement (active, interactive & cooperative learning and challenge-based learning) and explain the rationale for using them

Apply pedagogies of engagement to design activities for your class

The Active Learning Continuum



Pedagogy in the Classroom, 2005 & 2008

Methods Used in “All” or “Most”	All faculty 2005	All faculty 2008	Asst Prof 2008
Cooperative learning	48%	59%	66%
Group projects	33%	36%	61%
Grading on a curve	19%	17%	14%
Extensive lecturing	55%	46%	43%

*The American College Teacher. National Norms for the 2004-2005 and 2007-2008 HERI Faculty Survey, www.heri.ucla.edu/index.php

Group Activity: Breakout Session

For today's session, you were asked to prepare two activities for active learning in your classroom. For each participant of each group:

- Provide a *brief presentation* of one of your activities to your breakout group.
- Ask your breakout group members to list the *strengths and weaknesses* of the activity that you described.
- Also, what are the *barriers to successful implementation* of this activity in a classroom? How can these *barriers be overcome*?

In the following report-out session, reporter will briefly summarize activities discussed, along with strengths/weaknesses and barriers discussions.

Time: 20 minutes

Assigned scribe (2nd person on list) and reporter (4th)

Breakout & Open Discussion- Challenges in General for Active Learning & Solutions

Poll

Assignment for Next Week

TOPIC: Learning objectives and Bloom's taxonomy

1. Read the following:

- Appendix D of *How Learning Works*: "What are learning objectives and how can we use them?" (scan available in Mechanical VCP folder)
- Website on changes to Bloom's taxonomy:
www4.uwsp.edu/education/lwilson/curric/newtaxonomy.htm
- Website on the revised Bloom's taxonomy:
www.celt.iastate.edu/pdfs-docs/teaching/RevisedBloomsHandout.pdf

2. Activity:

Choose a course that you have recently taught. For this course, create a list of 4-5 learning objectives and relate each objective to a level of Bloom's taxonomy. Create a mini project for the course that emphasizes the creation of higher-order thinking skills.

3. Post your activities to the Mechanical VCP Folder by 5:00 PM Sunday Nov. 10th